

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

5. Lease Serial No.
UTU-33433

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
N/A

8. Lease Name and Well No.
Bonanza 1023-6B

9. API Well No.
43047-40398

10. Field and Pool, or Exploratory
Natural Buttes Field

11. Sec., T. R. M. or Blk. and Survey or Area
Sec. 6, T 10S, R 23E

12. County or Parish
Uintah

13. State
UT

1a. Type of work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
Kerr-McGee Oil & Gas Onshore, LP

3a. Address
P.O. Box 173779, Denver, CO 80217-3779

3b. Phone No. (include area code)
720.929.6226

4. Location of Well (Report location clearly and in accordance with any State requirements.) -109.368388
At surface NWNE 340' FNL & 2485' FEL LAT 39.984342 LON -109.368314 (NAD 27)
At proposed prod. zone N/A 639313 X 4427089 Y 39.984389

14. Distance in miles and direction from nearest town or post office*
20.7 miles southeast of Ouray, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
340'

16. No. of acres in lease
1922.95

17. Spacing Unit dedicated to this well
Not a unit well

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
500'

19. Proposed Depth
8550'

20. BLM/BIA Bond No. on file
WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5229' GL

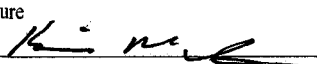
22. Approximate date work will start*

23. Estimated duration
10 days

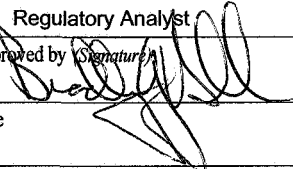
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the BLM.

25. Signature  Name (Printed/Typed) Kevin McIntyre Date 10/10/2008

Title
Regulatory Analyst

Approved by  Name (Printed/Typed) Date 10-16-08

Title Office

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

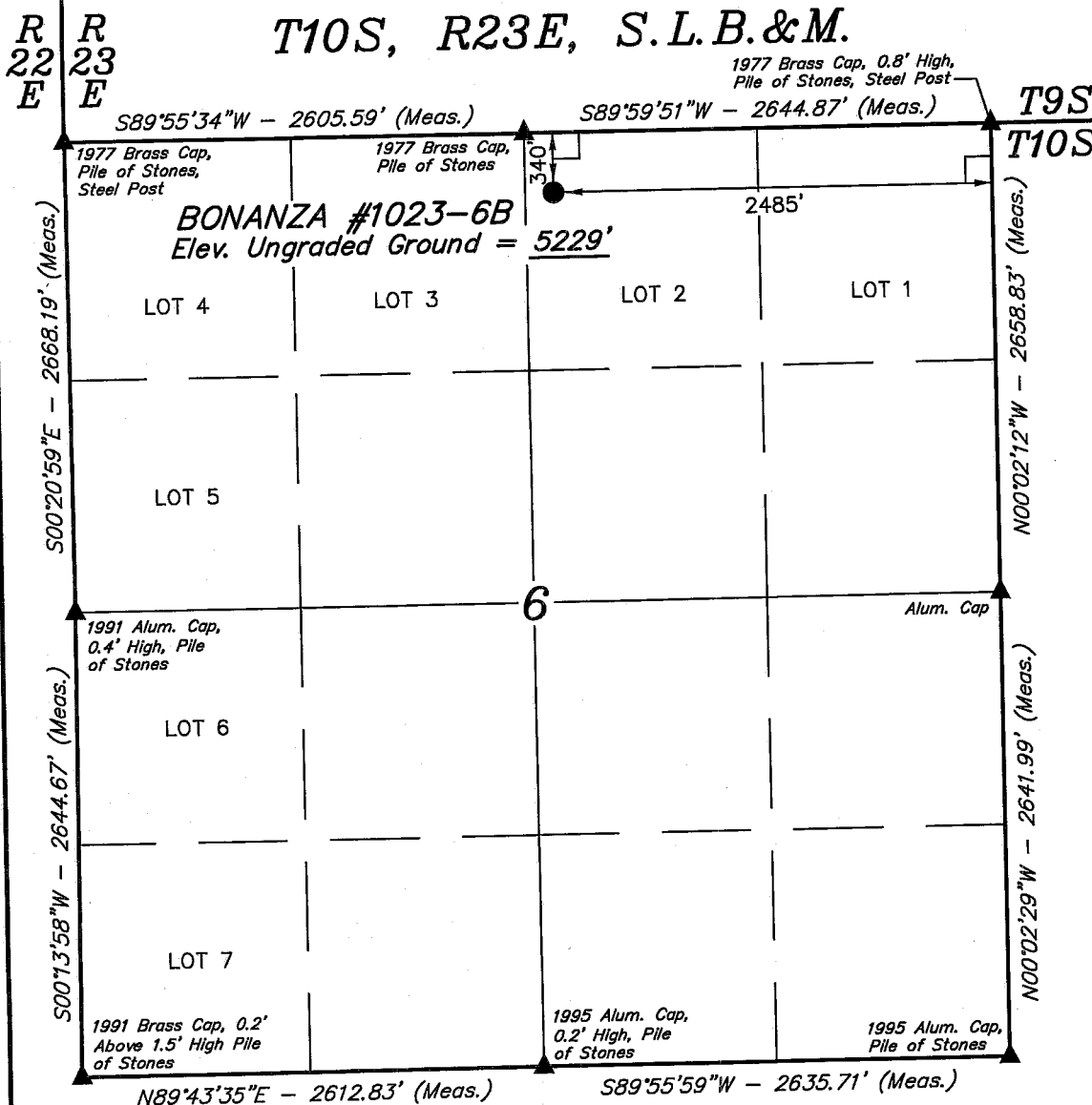
(Continued on page 2)

*(Instructions on page 2)

RECEIVED

OCT 15 2008

DIV. OF OIL, GAS & MINING



LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
 LATITUDE = 39°59'03.51" (39.984308)
 LONGITUDE = 109°22'08.38" (109.368994)
 (NAD 27)
 LATITUDE = 39°59'03.63" (39.984342)
 LONGITUDE = 109°22'05.93" (109.368314)

Kerr-McGee Oil & Gas Onshore LP

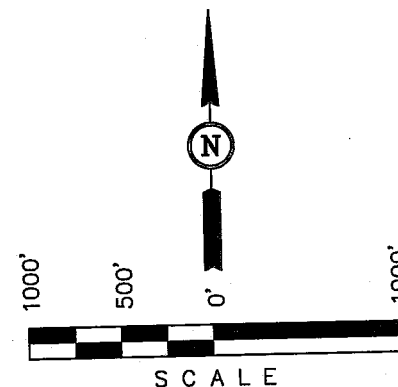
Well location, BONANZA #1023-6B, located as shown in (LOT 2) of Section 6, T10S, R23E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 58 EAM (1965) LOCATED IN THE NE 1/4 OF SECTION 30, T9S, R23E, S.L.B.&M., TAKEN FROM THE RED WASH SE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5132 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ROBERT L. KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

REVISED: 10-11-06

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

| | | |
|-------------------------|---|-------------------------|
| SCALE 1" = 1000' | DATE SURVEYED: 08-22-05 | DATE DRAWN: 09-13-05 |
| PARTY D.K. L.K. P.M. | REFERENCES G.L.O. PLAT | |
| WEATHER WARM | FILE Kerr-McGee Oil & Gas Onshore LP | |

**NBU 1023-6B
NWNE Sec. 6, T10S,R23E
UINTAH COUNTY, UTAH
UTU-33433**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

| <u>Formation</u> | <u>Depth</u> |
|------------------|--------------|
| Uinta | 0- Surface |
| Green River | 1364' |
| Bird's Nest | 1579' |
| Mahogany | 2082' |
| Wasatch | 4341' |
| Mesaverde | 6468' |
| MVU2 | 7446' |
| MVL1 | 8012' |
| TD | 8550' |

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

| <u>Substance</u> | <u>Formation</u> | <u>Depth</u> |
|------------------|------------------|--------------|
| | Green River | 1364' |
| | Bird's Nest | 1579' |
| | Mahogany | 2082' |
| Gas | Wasatch | 4341' |
| Gas | Mesaverde | 6468' |
| Gas | MVU2 | 7446' |
| Gas | MVL1 | 8012' |
| Water | N/A | |
| Other Minerals | N/A | |

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP. See attached drilling diagram.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8550' TD, approximately equals 5301 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3420 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

*Please see Natural Buttes Unit SOP Onshore Order #2 – Air Drilling Variance
Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2*

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet.

The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

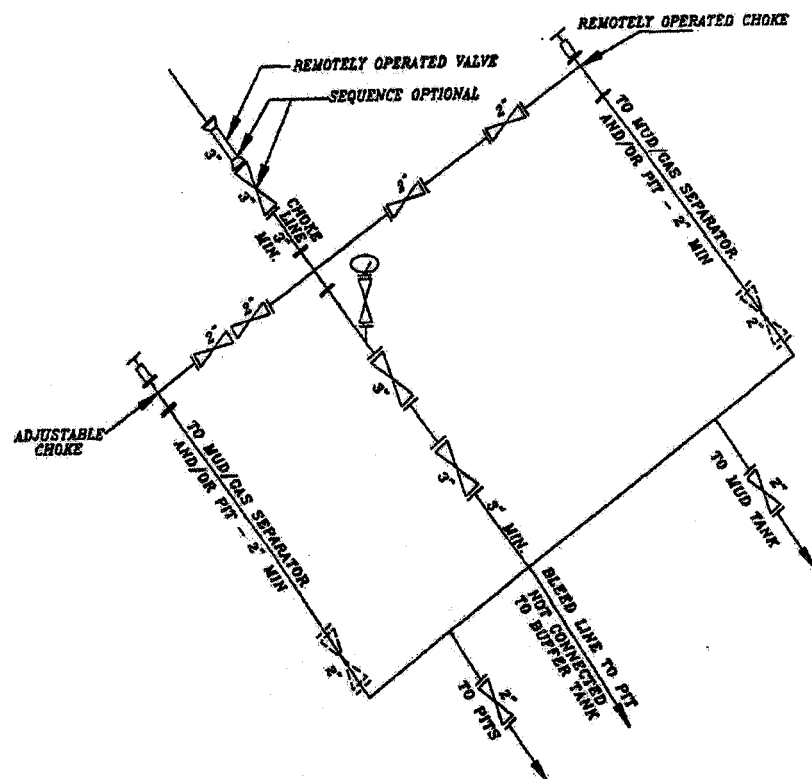
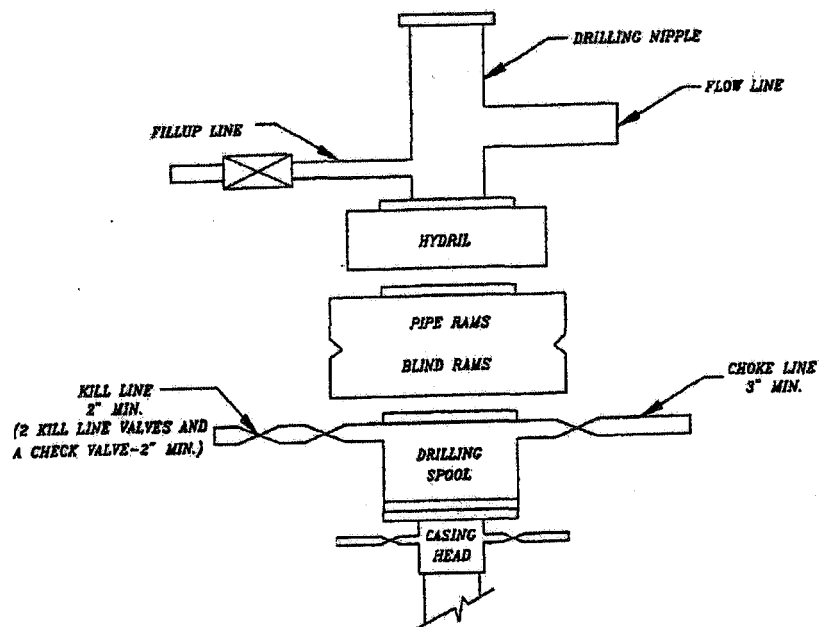
Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above..

10. Other Information:

Please see Natural Buttes Unit SOP.

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

**Bonanza 1023-6B
NWNE Sec. 6 ,T10S,R23E
UINTAH COUNTY, UTAH
UTU-33433**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Approximately 0.3 mi. +/- of new access road is proposed. Refer to Topo Map B.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Refer to Topo Map D for the location of the proposed pipelines.

A right-of-way is required for the pipeline. The pipeline is approximately 821' in length and 30' in width. A 4" surface steel pipeline will be constructed utilizing existing disturbance where possible. The pipeline will be butt-welded together and pulled into place with a rubber tired tractor.

Variances to Best Management Practices (BMPs) Requested:

Approximately 821' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Shadow gray (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. Methods of Handling Waste Materials:

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

upon reclamation of the pit the following seed mixture will be used. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for ***drilled*** seed are:

Crested Wheatgrass 6 lbs.
Needle & Thread grass 6 lbs.

Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. **Surface/Mineral Ownership:**

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. **Stipulations/Notices/Mitigation:**

No construction or drilling from May 15th through July 20th.

13. **Other Information:**

A Class III archaeological survey and a paleontological survey have been performed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

14. Lessee's or Operator's Representative & Certification:

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6226

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

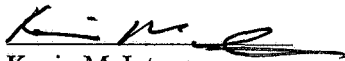
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Land Management Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Kevin McIntyre

10/10/2008
Date

Paleontological Reconnaissance Report

**Kerr McGee's Proposed Onsite Changes for "NBU #1022-35I" (Sec.
35 & 36, T 10 S, R 22 E) & ~~"Bonanza #1023-6B"~~
(Sec. 6, T 10 S, R 23 E)**

**Archy Bench & Asphalt Wash.
Topographic Quadrangles
Uintah County, Utah**

November 2, 2006

Prepared by Stephen D. Sandau
Paleontologist for
Intermountain Paleo-Consulting
P. O. Box 1125
Vernal, Utah 84078

INTRODUCTION

At the request of Raleen White of Kerr McGee Oil & Gas Onshore LP and authorized by John Mayers of the BLM Vernal Field Office and James Kirkland of the Office of the State Paleontologist, a paleontological reconnaissance survey of Kerr McGee's proposed onsite changes for "NBU #1022-35I" (Sec. 35 & 36, T 10 S, R 22 E) & "Bonanza #1023-6B" (Sec. 6, T 10 S, R 23 E) was conducted by Larry Trimble and Aaron Scheetz on October 23, 2006. The reconnaissance survey was conducted under the Utah BLM Paleontological Resources Use Permit #UT-S-05-33 and the Utah Paleontological Investigations Permit #04-345. This survey to locate, identify and evaluate paleontological resources was done to meet requirements of the National Environmental Policy Act of 1969 and other State and Federal laws and regulations that protect paleontological resources.

FEDERAL AND STATE REQUIREMENTS

As mandated by the Federal and State government, paleontologically sensitive geologic formations on State lands that are considered for exchange or may be impacted due to ground disturbance require paleontological evaluation. This requirement complies with:

- 1) The National Environmental Policy Act of 1969 (NEPA) (42 U.S.C. 4321 et. Seq., P.L. 91-190);
- 2) The Federal Land Policy and Management Act (FLPMA) of 1976 (90 Stat. 2743, 43 U.S.C. § 1701-1785, et. Seq., P.L. 94-579).
- 3) The National Historic Preservation Act, 16 U.S.C. § 470-1, P.L. 102-575 in conjunction with 42 U.S.C. § 5320; and
- 4) The Utah Geological Survey. S. C. A.: 63-73-1. (1-21) and U.C.A.: 53B-17-603.

Under policy dictated by the BLM Manual and Handbook H-8270-1 (July, 1998) Formations are ranked according to their paleontological potential:

- *Condition 1* is applied to those areas known to contain fossil localities, and special consideration of the known resources is in need of evaluation.
- *Condition 2* is applied to areas that have exposures of geologic rock units known to have produced fossils elsewhere.
- *Condition 3* is applied to areas unlikely to produce fossils based on surficial geology.

Although these guidelines apply mostly to vertebrate fossils on lands under the direction of the BLM, they are equally designed to help protect rare plant and invertebrate fossils and will be used here for State Lands as well. It should be noted that many fossils, though common and unimpressive in and of themselves, can be important paleo-environmental, depositional and chronostratigraphic indicators.

LOCATION

The proposed onsite changes for "NBU #1022-35I" (Sec. 35 & 36, T 10 S, R 22 E) & "Bonanza #1023-6B" (Sec. 6, T 10 S, R 23 E) are on land managed by the BLM and the State of Utah Trust Lands Administration (SITLA), both north and south of the White River, near Bitter Creek and about 13-20 miles southwest of Bonanza, Utah respectively. The project area can be found on the Archy Bench & Asphalt Wash 7.5 minute U. S. Geological Survey Quadrangle Maps, Uintah County, Utah.

PREVIOUS WORK

The basins of western North America have long produced some of the richest fossil collections in the world. Early Cenozoic sediments are especially well represented throughout the western interior. Paleontologists started field work in Utah's Uinta Basin as early as 1870 (Betts, 1871; Marsh, 1871, 1875a, 1875b). The Uinta Basin is located in the northeastern corner of Utah and covers approximately 31,000 sq. km (12,000 sq. miles) and ranges in elevation from 1,465 to 2,130 m (4,800 to 7,000 ft) (Marsell, 1964; Hamblin et al., 1987). Middle to late Eocene time marked a period of dramatic change in the climate, flora, (Stucky, 1992) and fauna (Black and Dawson, 1966) of North America.

GEOLOGICAL AND PALEONTOLOGICAL OVERVIEW

Early in the geologic history of Utah, some 1,000 to 600 Ma, an east-west trending basin developed creating accommodation for 25,000 feet of siliclastics. Uplift of that filled-basin during the early Cenozoic formed the Uinta Mountains (Rasmussen et al., 1999). With the rise of the Uinta Mountains the asymmetrical synclinal Uinta Basin is thought to have formed through the effects of down warping in connection with the uplift. Throughout the Paleozoic and Mesozoic deposition fluctuated between marine and non-marine environments laying down a thick succession of sediments in the area now occupied by the Uinta Basin. Portions of these beds crop out on the margins of the basin due to tectonic events occurring during the late Mesozoic.

Early Tertiary Uinta Basin sediments were deposited in alternating lacustrine and fluvial environments. Large shallow lakes periodically covered most of the basin and surrounding areas during early to mid Eocene time (Abbott, 1957). These lacustrine sediments show up in the western part of the basin, dipping 2-3 degrees to the northeast and are lost in the subsurface on the east side. The increase of cross-bedded coarse-grained sandstone and conglomerates preserved in paleo-channels indicates a transition to a fluvial environment toward the end of the epoch.

Four Eocene formations are recognized in the Uinta Basin: the Wasatch, Green River, Uinta and Duchesne River, respectively (Wood, 1941). The Uinta Formation is subdivided into two lithostratigraphic units namely: the Wagonhound Member (Wood, 1934), formerly known as Uinta A and B (Osborn, 1895, 1929) and the Myton Member previously regarded as the Uinta C.

Within the Uinta Basin in northeast Utah, the Uinta Formation in the western part of the basin is composed primarily of lacustrine sediments inter-fingering with over-bank deposits of silt and mudstone and westward flowing channel sands and fluvial clays, muds and sands in the east (Bryant et al, 1990; Ryder et al, 1976). Stratigraphic work done by early geologists and paleontologists within the Uinta Formation focused on the definition of rock units and attempted to define a distinction between early and late Uintan faunas (Riggs, 1912; Peterson and Kay, 1931; Kay 1934). More recent work focused on magnetostratigraphy, radioscopic chronology and continental biostratigraphy (Flynn, 1986; Prothero, 1996). Well known for its fossiliferous nature and distinctive mammalian fauna of mid-Eocene Age, the Uinta Formation is the type formation for the Uintan Land Mammal Age (Wood et al, 1941).

The Duchesne River Formation of the Uinta Basin in northeastern Utah is composed of a succession of fluvial and flood plain deposits composed of mud, silt and sandstone. The source area for these late Eocene deposits is from the Uinta Mountains indicated by paleocurrent data (Anderson and Picard, 1972). In Peterson's (1931c) paper, the name "Duchesne Formation" was applied to the formation and it was later changed to the "Duchesne River Formation" by Kay (1934). The formation is divided up into four members: the Brennan Basin, Dry Gulch Creek, Lapoint and Starr Flat (Anderson and Picard, 1972). Debates concerning the Duchesne River Formation, as to whether its age was late Eocene or early Oligocene, have surfaced throughout the literature of the last century (Wood et al., 1941; Scott 1945). Recent paleo-magnetostratigraphic work (Prothero, 1996) shows that the Duchesne River Formation is late Eocene in time.

FIELD METHODS

In order to determine if the proposed access roads, pipelines and well pads for this project area contained any paleontological resources a reconnaissance survey was preformed for this project. An on-site observation of the proposed areas undergoing surficial disturbance is necessary because judgments made from topographic maps alone are often unreliable. Areas of low relief have potential to be erosional surfaces with the possibility of bearing fossil materials rather than surfaces covered by unconsolidated sediment or soils.

When found within the proposed construction areas, outcrops and erosional surfaces were checked to determine if fossils were present and to assess needs. Careful effort is made during surveys to identify and evaluate significant fossil materials or fossil horizons when they are found. Microvertebrates, although rare, are occasionally found in anthills or upon erosional surfaces, and are of particular importance.

PROJECT AREA

The project area is staked in the Wagonhound Member (Uintah A & B) of the Uintah Formation. The following list provides a description of the individual wells and their associated pipelines and access roads.

NBU #1022-35I

The proposed pipeline departs northeast from an existing pipeline before tying into the proposed well pad situated in the NE/SE quarter-quarter section of Sec. 35, T 10 S, R 22 E (Figure 1). The proposed well pad intersects an existing road and rests on top of a relatively flat colluvial soil supporting a meager growth of sagebrush and scattered with colluvial sandstones and siltstones. No fossils were found in this location.

Bonanza #1023-6B

The proposed access road and pipeline depart east from an existing well pad located in the NE/NW quarter-quarter section of Sec. 6, T 10 S, R 23 E (Figure 2). The proposed access road and pipeline cross a moderate hillside consisting of fine-grained, gray-green sandstone interspersed with maroon and tan sandstone outcrops. The proposed well pad consists of relatively flat terrain with poorly developed soils supporting a modest growth of sagebrush and various bunch grasses. No significant fossil discoveries were made at this location.

SURVEY RESULTS

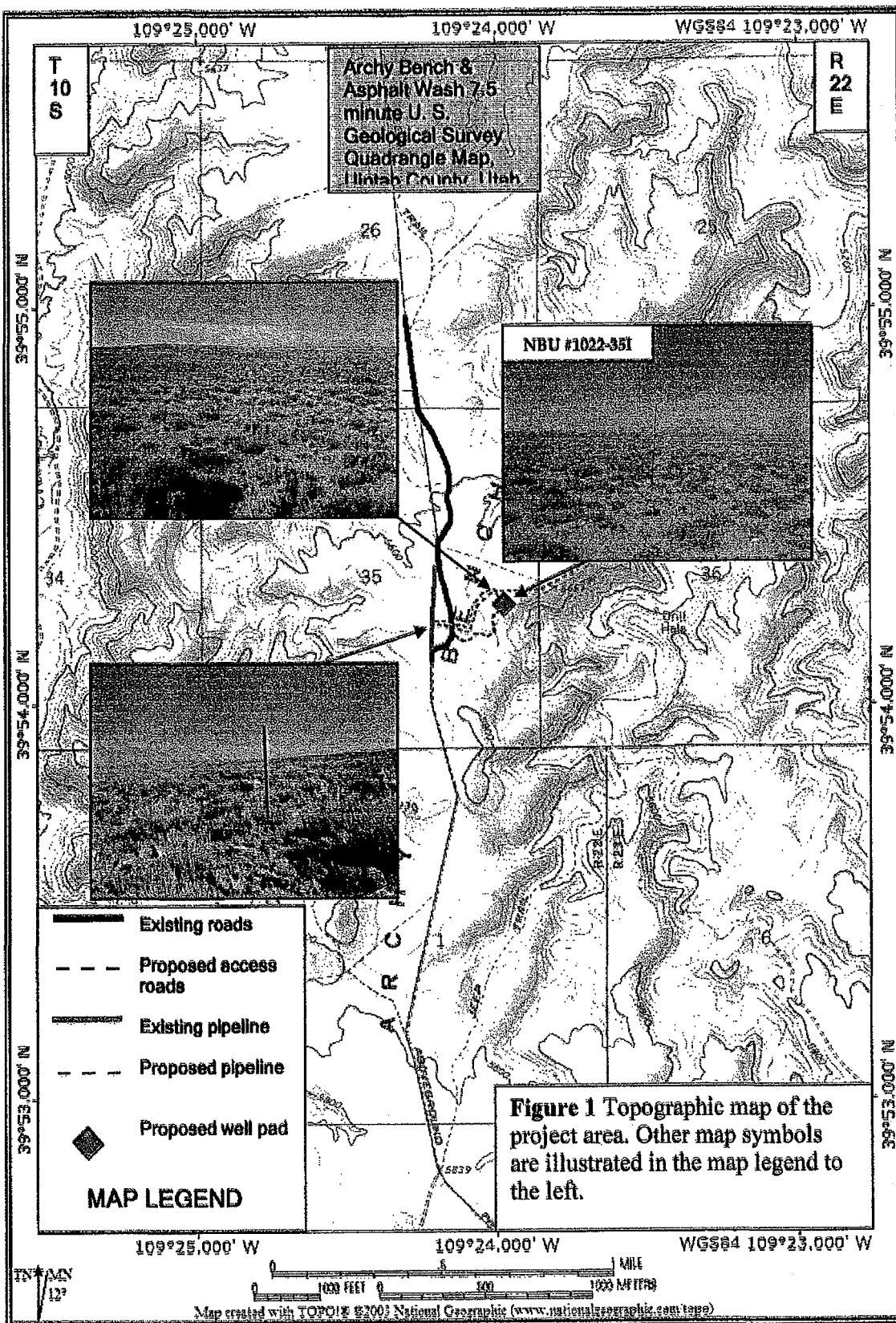
| WELLS | GEOLOGY | PALEONTOLOGY |
|---|--|-------------------------------------|
| "NBU #1022-35I" (Sec. 35, T 10 S, R 22 E) | The proposed well pad intersects an existing road and rests on top of a relatively flat colluvial soil supporting a meager growth of sagebrush and scattered with colluvial sandstones and siltstones. | No fossils were found. Condition 3. |
| "Bonanza #1023-6B" (Sec. 6, T 10 S, R 22 E) | The proposed access road and pipeline cross a moderate hillside consisting of fine-grained, gray-green sandstone interspersed with maroon and tan sandstone outcrops. The proposed well pad consists of relatively flat terrain with poorly developed soils supporting a modest growth of sagebrush and various bunch grasses. | No fossils were found. Condition 3. |

RECOMMENDATIONS

The reconnaissance surveys conducted for the proposed onsite changes for "NBU #1022-35P" (Sec. 35 & 36, T 10 S, R 22 E) & "Bonanza #1023-6B" (Sec. 6, T 10 S, R 23 E) were brief. The well pads, together with the associated access road and pipeline covered in this report showed no signs of vertebrate fossils. Therefore, we recommend that no paleontological restrictions should be placed on the development of the projects included in this report.

Buried pipeline will encounter Uinta sediments along most of the staked pipeline corridors yet indications from surface fossils predict that little if any vertebrate fossils will be disturbed.

Nevertheless, if any vertebrate fossil(s) are found during construction within the project area, recommendations are that a paleontologist is immediately notified in order to collect fossil materials in danger of being destroyed. Any vertebrate fossils found should be carefully moved outside of the construction areas to be checked by a permitted paleontologist.



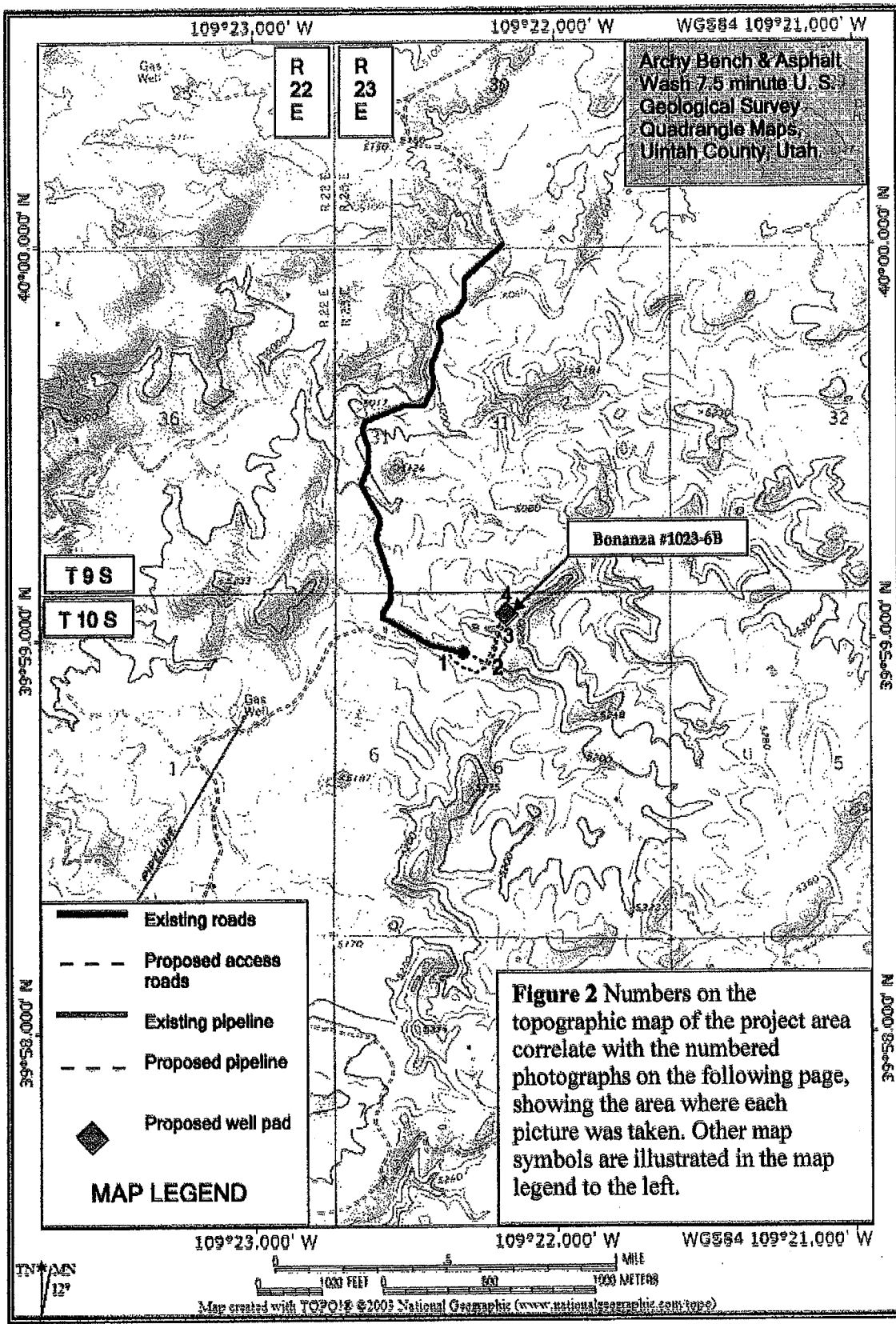
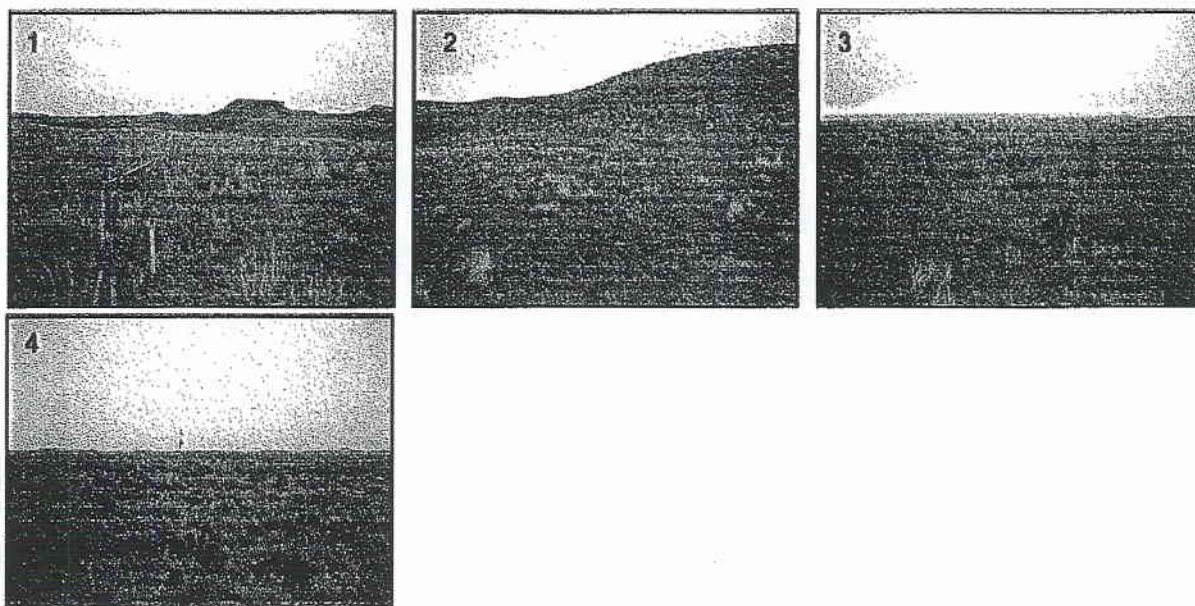


Figure 2. continued...



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KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE October 10, 2008
 WELL NAME Bonanza 1023-6B TD 8,550' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,229' GL KB 5,244'
 SURFACE LOCATION NWNE 340' FNL & 2485' FEL BHL Straight Hole
 Latitude: 39.984342 Longitude: -109.368314 NAD 27
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (SURFACE & MINERALS), UDOGM, Tri-County Health Dept.

| GEOLOGICAL | | | MECHANICAL | | |
|--|-----------|-------|------------|--|---------------------------------------|
| LOGS | FORMATION | DEPTH | HOLE SIZE | CASING SIZE | MUD WEIGHT |
| | | 40' | | 14" | |
| | | | 12-1/4" | 9-5/8", 36#, J-55, LTC | Air mist |
| Catch water sample, if possible, from 0 to 4,341' Green River @ 1,364' Top of Birds Nest Water @ 1579' Mahogany @ 2,082' Preset f/ GL @ 2,000' MD | | | | | |
| Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone. | | | | | |
| Mud logging program TBD Open hole logging program f/ TD - surf csg Wasatch @ 4,341' Mverde @ 6,468' MVU2 @ 7,446' MVL1 @ 8,012' TD @ 8,550' | | | 7-7/8" | 4-1/2", 11.6#, I-80 or equivalent LTC casing | Water/Fresh Water Mud 8.3-10.0 ppg |
| | | | | | Max anticipated Mud required 10.8 ppg |



CASING PROGRAM

| | SIZE | INTERVAL | WT. | GR. | CPLG. | DESIGN FACTORS | | |
|------------|--------|-----------|-------|------|-------|----------------|----------|---------|
| | | | | | | BURST | COLLAPSE | TENSION |
| CONDUCTOR | 14" | 0-40' | | | | 3520 | 2020 | 453000 |
| SURFACE | 9-5/8" | 0 to 2000 | 36.00 | J-55 | LTC | 1.21 | 2.16 | 8.01 |
| | | | | | | 7780 | 6350 | 201000 |
| PRODUCTION | 4-1/2" | 0 to 8550 | 11.60 | I-80 | LTC | 2.66 | 1.32 | 2.32 |

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 10.8 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
- MASP 3420 psi

CEMENT PROGRAM

| | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|------------|-----------------|-------------|--|---------|--------|--------|-------|
| SURFACE | LEAD | 500 | Premium cmt + 2% CaCl + .25 pps flocele | 215 | 60% | 15.60 | 1.18 |
| Option 1 | TOP OUT CMT (1) | 200 | 20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele | 50 | | 15.60 | 1.18 |
| | TOP OUT CMT (2) | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| SURFACE | LEAD | 1500 | NOTE: If well will circulate water to surface, option 2 will be utilized Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC | 170 | 35% | 11.00 | 3.82 |
| Option 2 | TAIL | 500 | Premium cmt + 2% CaCl + .25 pps flocele | 180 | 35% | 15.60 | 1.18 |
| | TOP OUT CMT | as required | Premium cmt + 2% CaCl | as req. | | 15.60 | 1.18 |
| PRODUCTION | LEAD | 3,840' | Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender | 420 | 60% | 11.00 | 3.38 |
| | TAIL | 4,710' | 50/50 Poz/G + 10% salt + 2% gel + .1% R-3 | 1320 | 60% | 14.30 | 1.31 |

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

| | |
|------------|---|
| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe. |
| PRODUCTION | Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers. |

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE:

DRILLING SUPERINTENDENT:

Randy Bayne Bonanza 1023-6B.xls

DATE:

Kerr-McGee Oil & Gas Onshore LP
BONANZA #1023-6B
SECTION 6, T10S, R23E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 3.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 200' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.05 MILES.

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-6B

LOCATED IN UTAH COUNTY, UTAH
SECTION 6, T10S, R23E, S.L.B.&M.

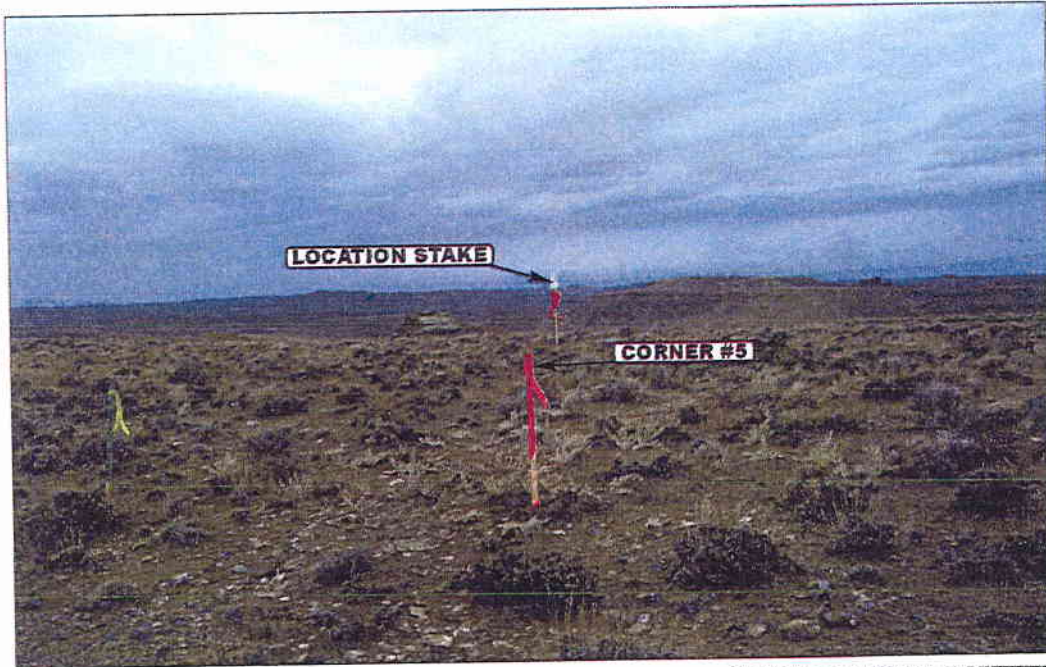


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHEASTERLY



• Since 1964 •

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

08 31 05
MONTH DAY YEAR

PHOTO

TAKEN BY: GO.

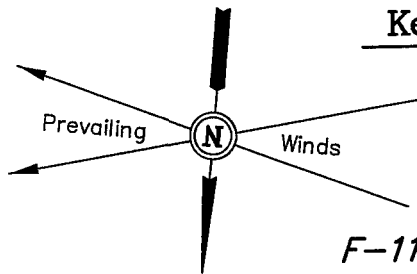
DRAWN BY: C.H.

REVISED: 10-09-06C.P.

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR
BONANZA #1023-6B
SECTION 6, T10S, R23E, S.L.B.&M.
340' FNL 2485' FEL



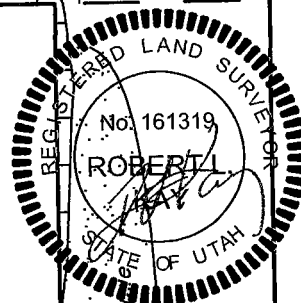
SCALE: 1" = 50'
DATE: 09-13-05
Drawn By: P.M.
REVISED: 10-11-06

Approx.
Toe of
Fill Slope

Proposed Access
Road

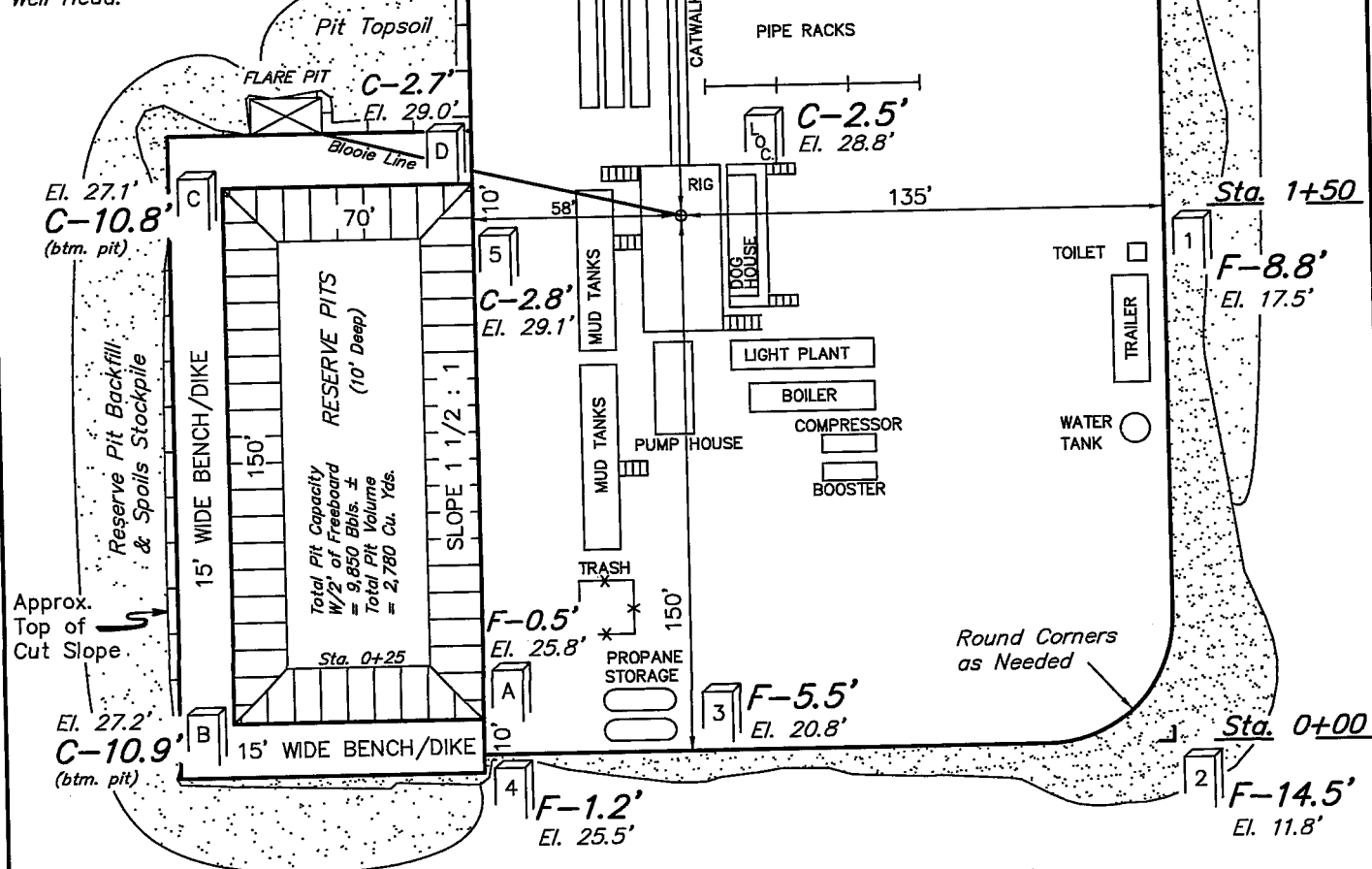
C-1.6'
El. 27.9'

Sta. 3+50



NOTE:

Flare Pit is to be located
a min. of 100' from the
Well Head.



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5228.8'
FINISHED GRADE ELEV. AT LOC. STAKE = 5226.3'

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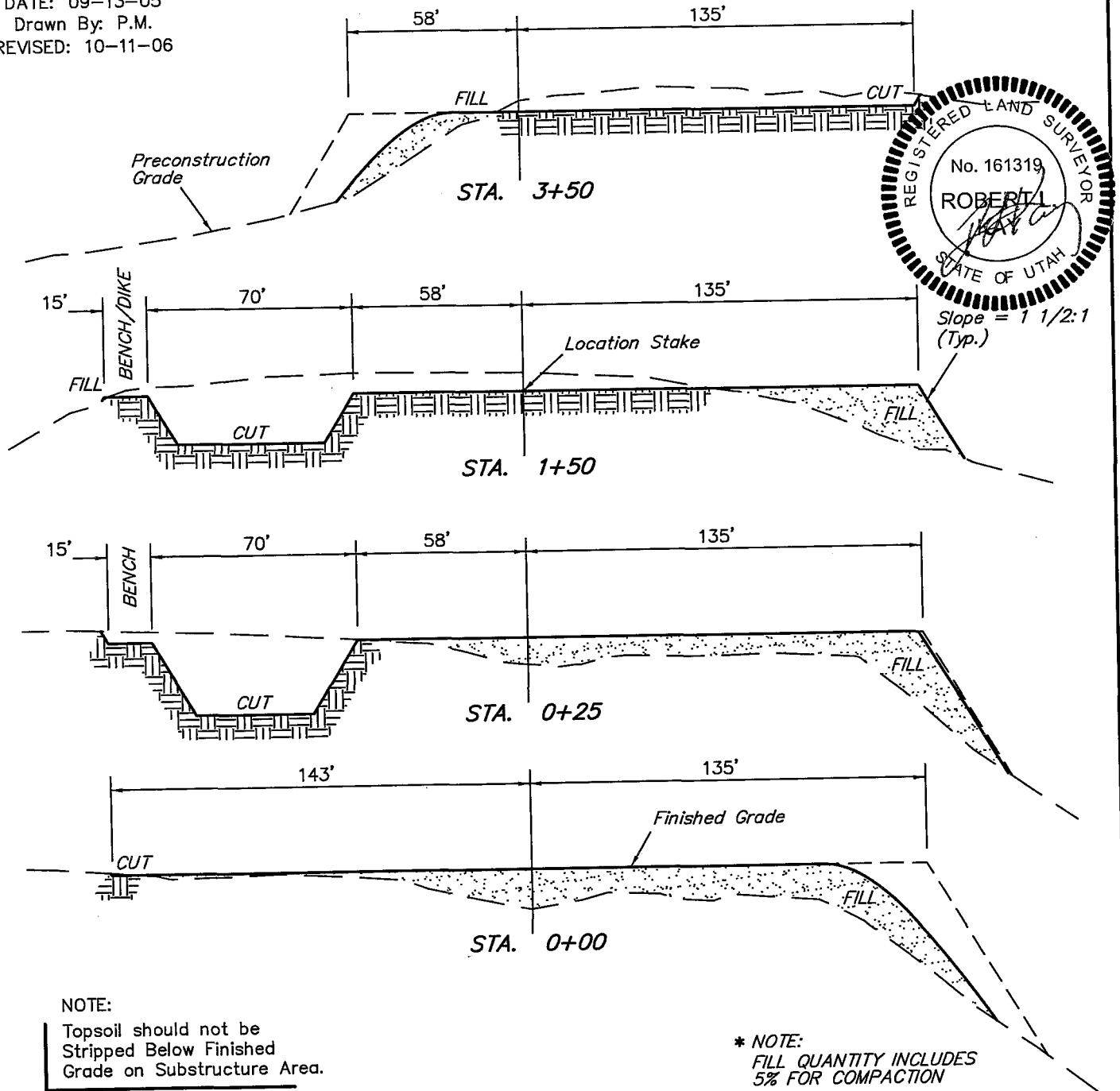
FIGURE #2

TYPICAL CROSS SECTIONS FOR

BONANZA #1023-6B
SECTION 6, T10S, R23E, S.L.B.&M.
340' FNL 2485' FEL

1" = 20'
X-Section
Scale
1" = 50'

DATE: 09-13-05
Drawn By: P.M.
REVISED: 10-11-06



NOTE:

Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

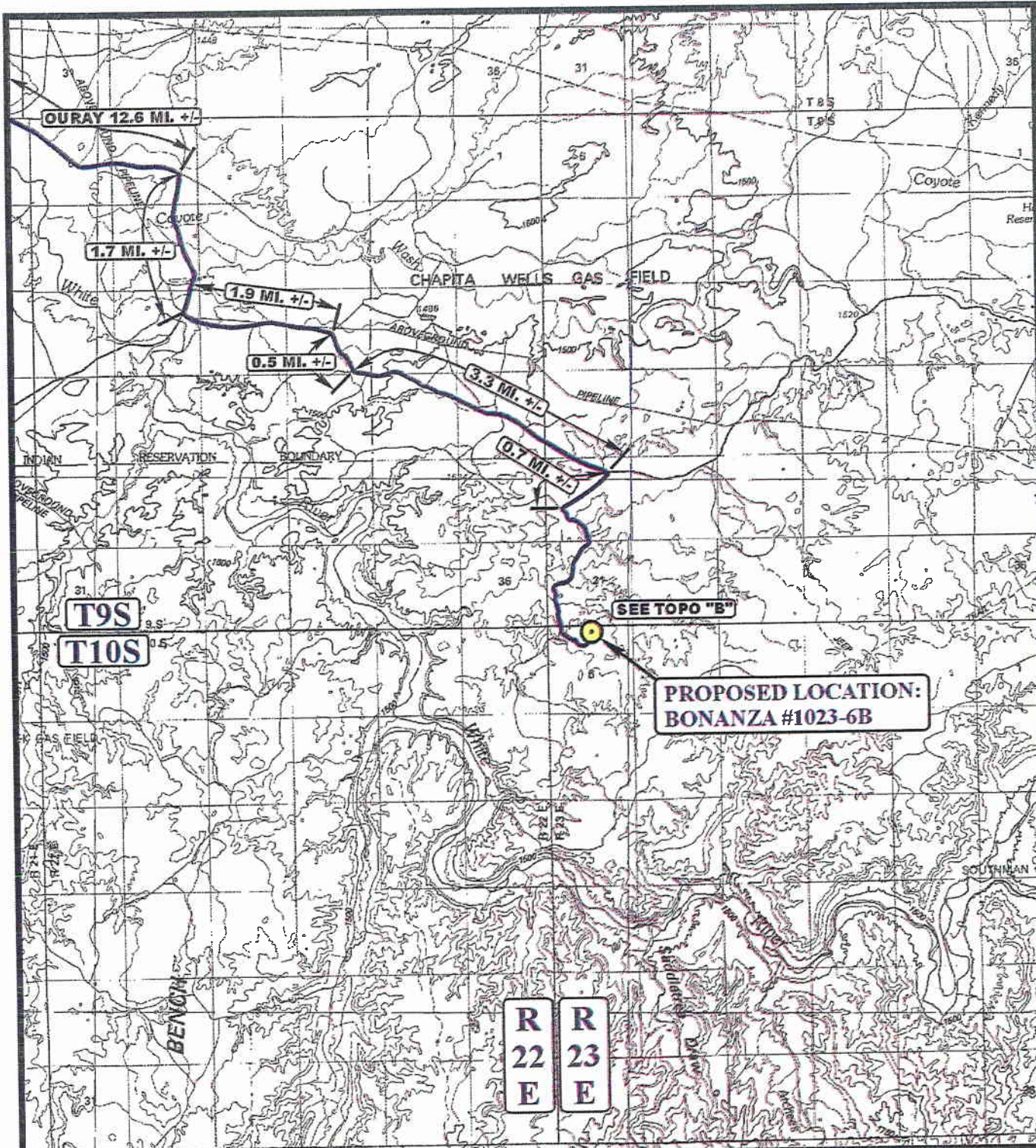
APPROXIMATE YARDAGES

CUT
(6") Topsoil Stripping = 1,780 Cu. Yds.
Remaining Location = 6,230 Cu. Yds.

TOTAL CUT = 8,010 CU.YDS.
FILL = 4,840 CU.YDS.

EXCESS MATERIAL = 3,170 Cu. Yds.
Topsoil & Pit Backfill = 3,170 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Interim Rehabilitation)

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LEGEND:

PROPOSED LOCATION

N

Kerr-McGee Oil & Gas Onshore LP

BONANAZA #1023-6B

SECTION 6, T10S, R23E, S.L.B.&M.

340' FNL 2485' FEL



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TOPOGRAPHIC
 MAP

08 31 05
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.H. REVISED: 10-09-06C.F.

A
 TOPO

Kerr-McGee Oil & Gas Onshore LP

BONANZA #1023-6B

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 6, T10S, R23E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: WESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: WESTERLY



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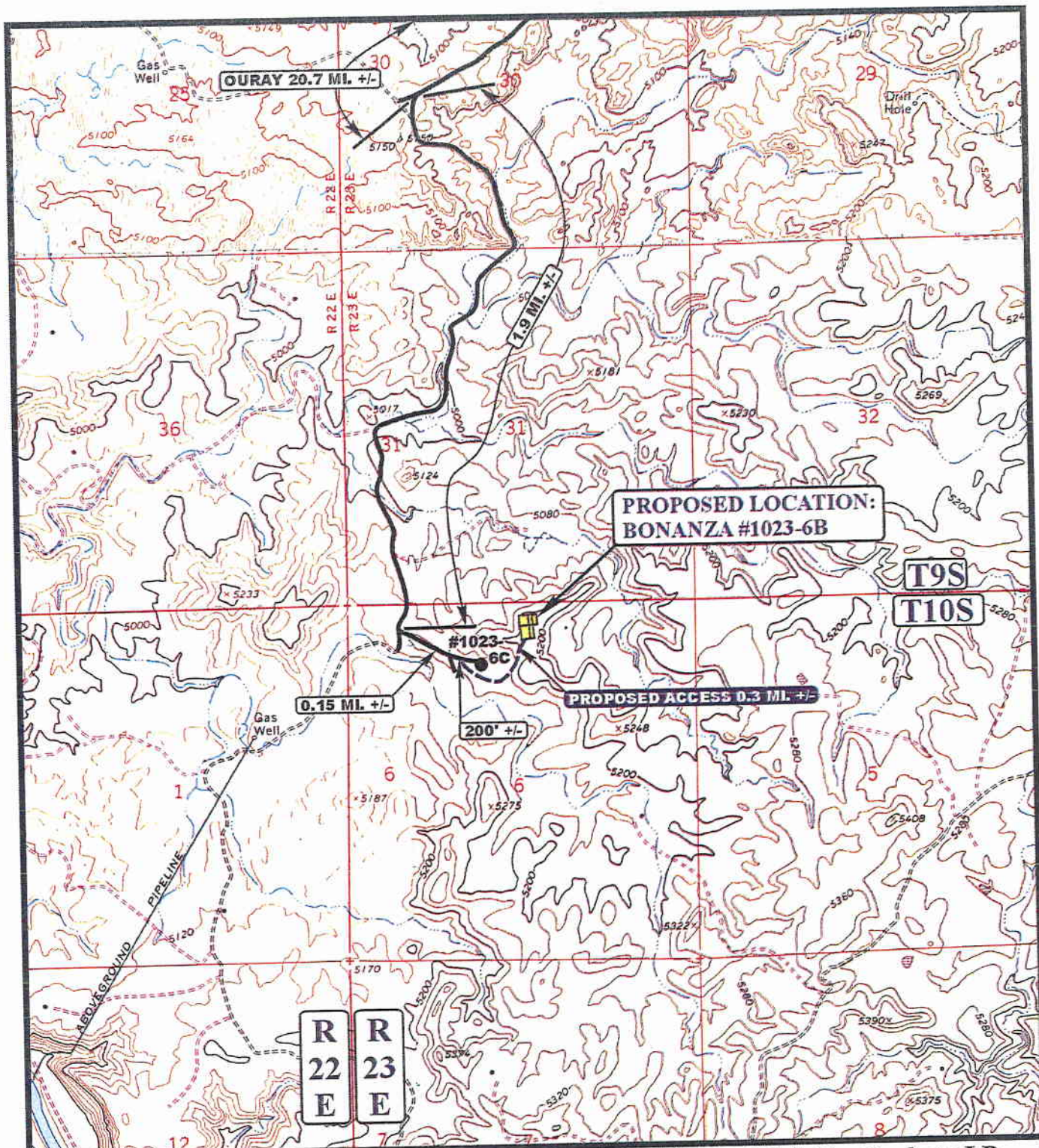
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PIPELINE PHOTOS

08 31 05
MONTH DAY YEAR

PHOTO

TAKEN BY: G.O. | DRAWN BY: C.H. | REVISED: 10-09-06 C.P.



LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD



Kerr-McGee Oil & Gas Onshore LP

BONANAZA #1023-6B

SECTION 6, T10S, R23E, S.L.B.&M.

340' FNL 2485' FEL



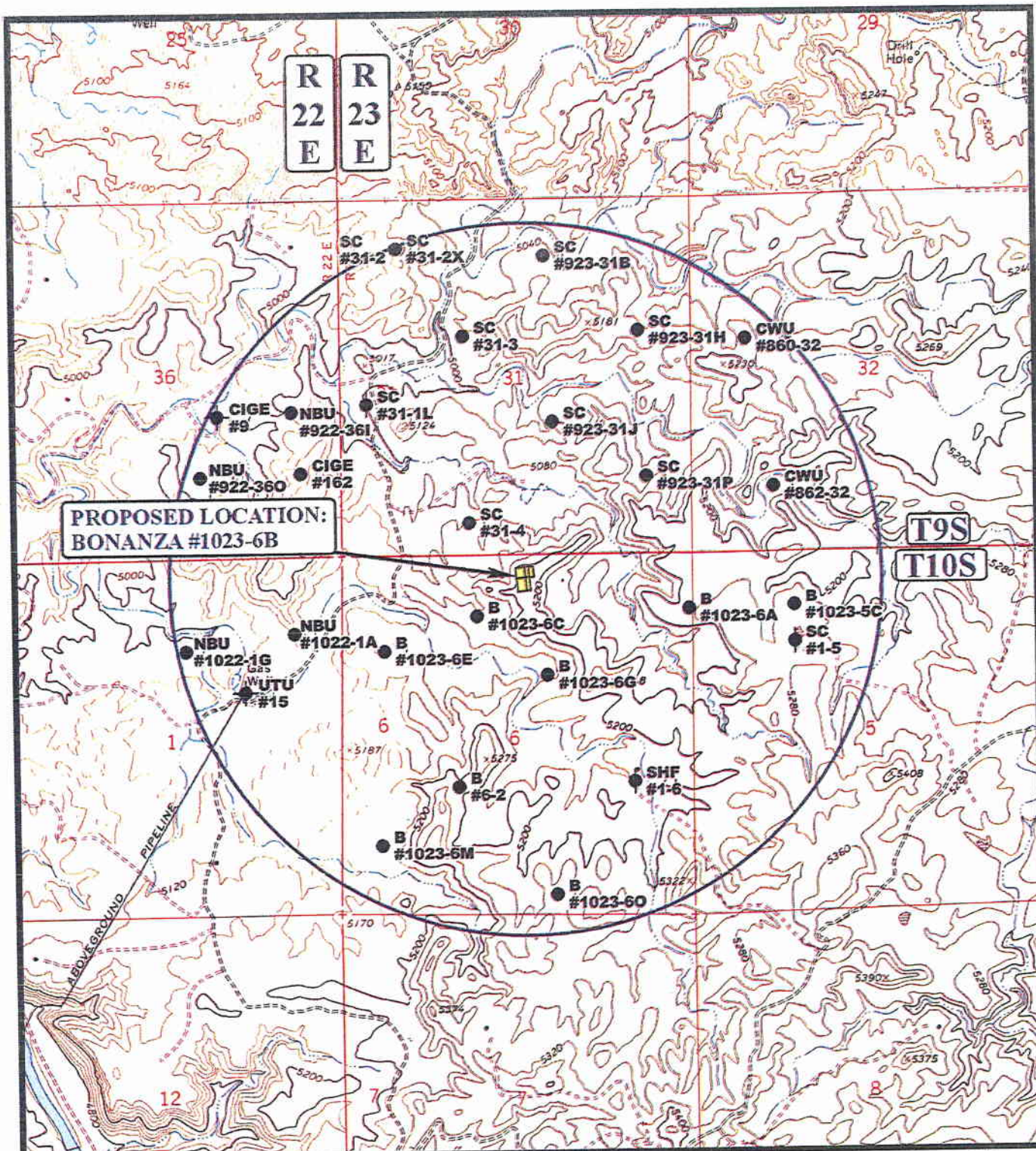
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TOPOGRAPHIC
MAP

08 31 05
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.H. REVISED: 10-09-06C.P.

B
TOPO



LEGEND:

- | | |
|-----------------|-----------------------|
| DISPOSAL WELLS | WATER WELLS |
| PRODUCING WELLS | ABANDONED WELLS |
| SHUT IN WELLS | TEMPORARILY ABANDONED |



Kerr-McGee Oil & Gas Onshore LP

BONANAZA #1023-6B
SECTION 6, T10S, R23E, S.L.B.&M.
340' FNL 2485' FEL



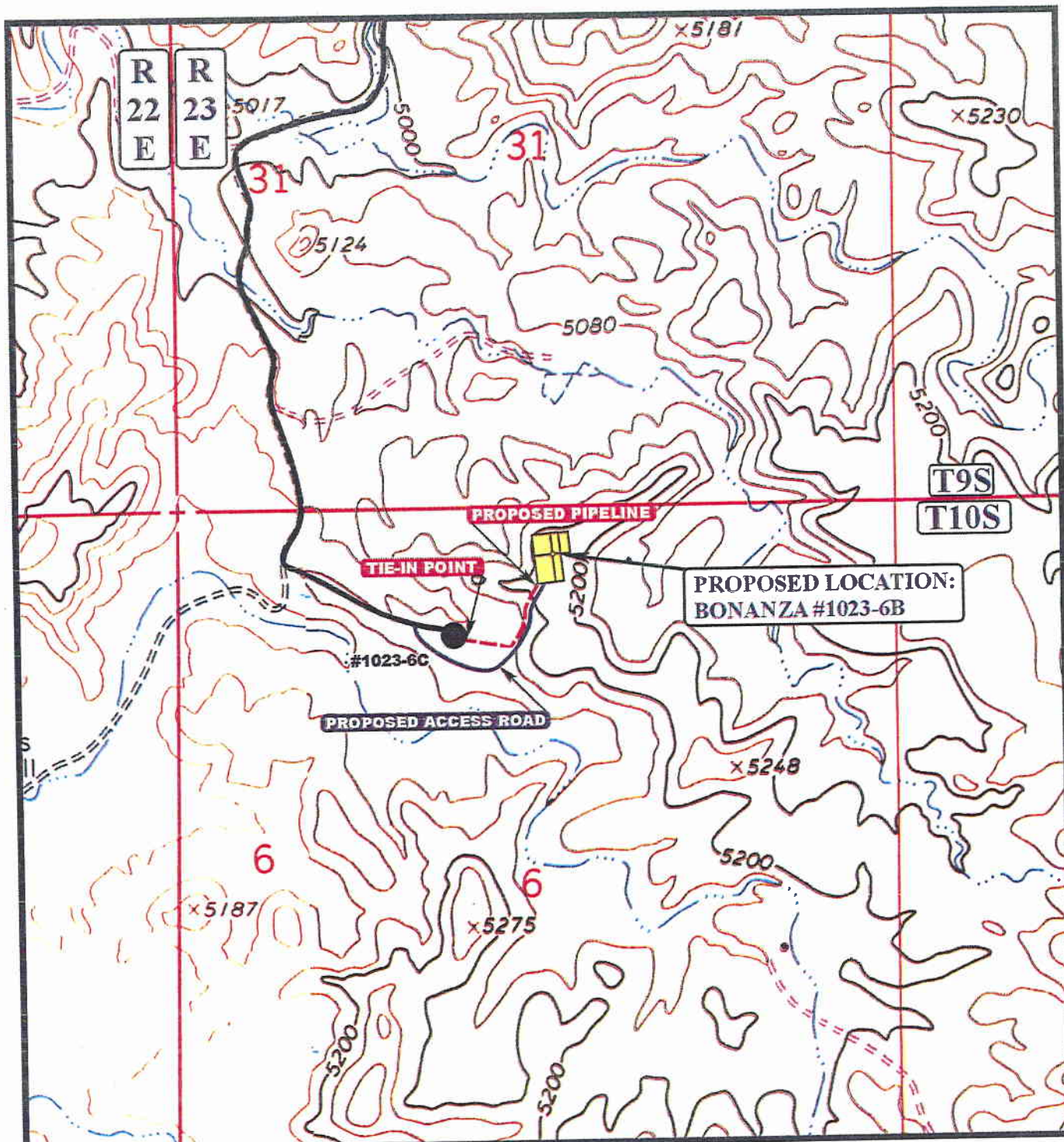
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85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

08 31 05
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.H. REVISED: 10-09-06C.P.

C
TOPO



APPROXIMATE TOTAL PIPELINE DISTANCE = 821' +/-

LEGEND:

— PROPOSED ACCESS ROAD
 - - - PROPOSED PIPELINE



Kerr-McGee Oil & Gas Onshore LP

BONANAZA #1023-6B
 SECTION 6, T10S, R23E, S.L.B.&M.
 340' FNL 2485' FEL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP

08 31 05
 MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.H. REVISED: 10-09-06 C.P.

D
 TOPO

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/15/2008

API NO. ASSIGNED: 43-047-40398

WELL NAME: BONANZA 1023-6B

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6226

CONTACT: KEVIN MCINTYRE

PROPOSED LOCATION:

NWNE 06 100S 230E

SURFACE: 0340 FNL 2485 FEL

BOTTOM: 0340 FNL 2485 FEL

COUNTY: UINTAH

LATITUDE: 39.98439 LONGITUDE: -109.3684

UTM SURF EASTINGS: 639313 NORTHINGS: 4427089

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review

Initials

Date

Engineering

Geology

Surface

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-33433

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

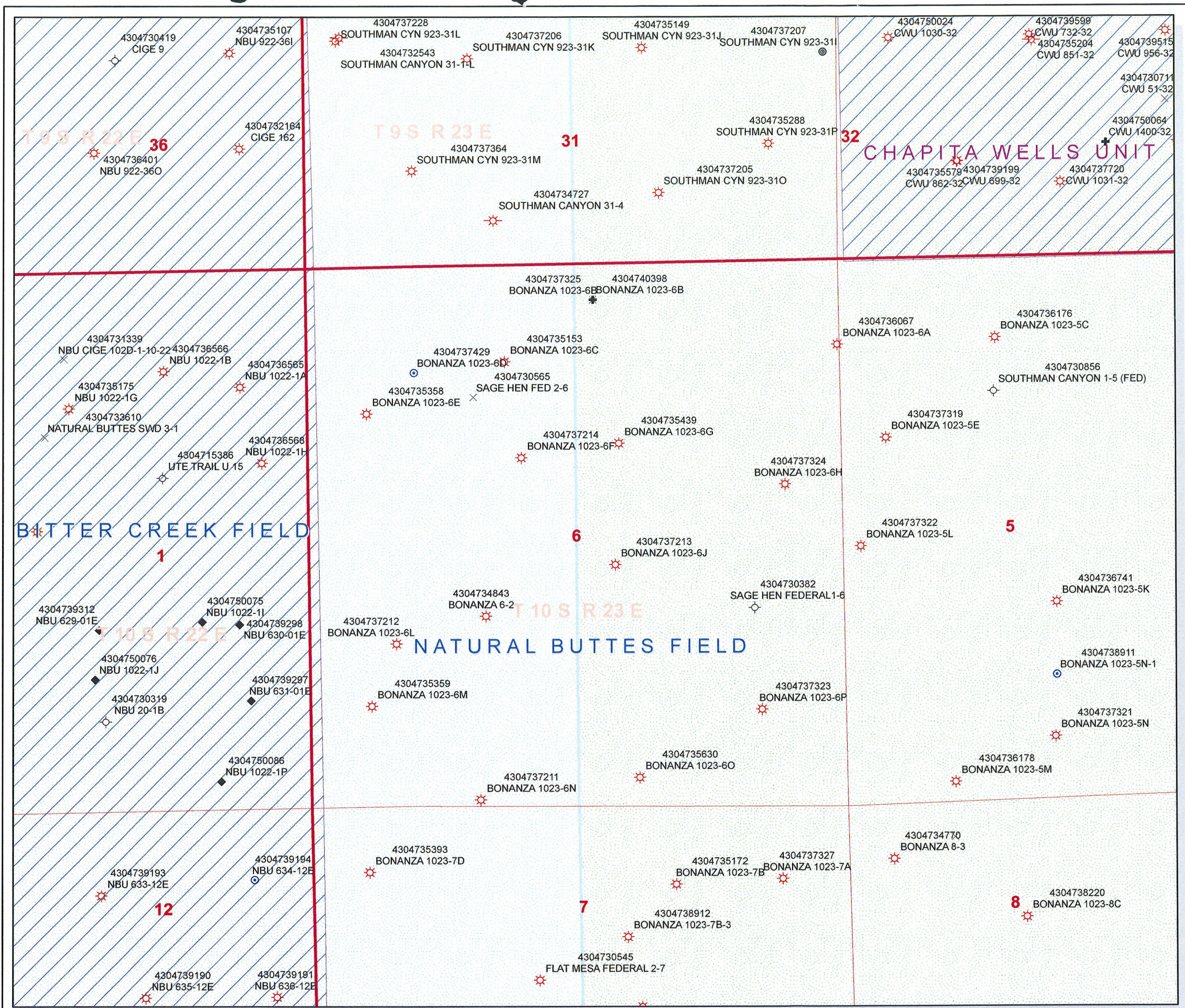
☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000291)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

_____ R649-2-3.
Unit: _____
_____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
_____ R649-3-3. Exception
☒ Drilling Unit
Board Cause No: 173-14
Eff Date: 6-12-08
Siting: 460' fr cent. drl. unit boundary
_____ R649-3-11. Directional Drill

COMMENTS: Sep, Separate file

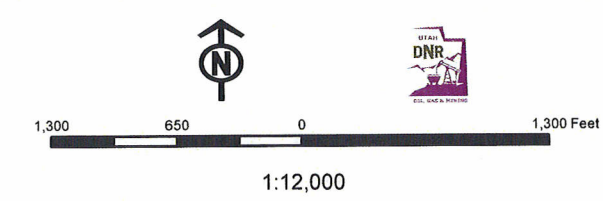
STIPULATIONS: Hedberg Approval



API Number: 4304740398
Well Name: BONANZA 1023-6B
Township 10.0 S Range 23.0 E Section 06
Meridian: SLBM
Operator: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Map Prepared:
Map Produced by Diana Mason

| Units | Wells Query Events |
|---------------|----------------------|
| STATUS | <all other values> |
| ACTIVE | GIS_STAT_TYPE |
| EXPLORATORY | <Null> |
| GAS STORAGE | APD |
| NF PP OIL | DRL |
| NF SECONDARY | GI |
| PI OIL | GS |
| PP GAS | LA |
| PP GEOTHERML | NEW |
| PP OIL | OPS |
| SECONDARY | PA |
| TERMINATED | PGW |
| Fields | POW |
| STATUS | RET |
| ACTIVE | SGW |
| COMBINED | SOW |
| Sections | TA |
| Township | TW |
| | WD |
| | WI |
| | WS |
| | Bottom Hole Location |





JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

October 16, 2008

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80217-3779

Re: Bonanza 1023-6B Well, 340' FNL, 2485' FEL, NW NE, Sec. 6, T. 10 South, R. 23 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40398.

Sincerely,

For

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number Bonanza 1023-6B

API Number: 43-047-40398

Lease: UTU-33433

Location: NW NE **Sec.** 6 **T.** 10 South **R.** 23 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

| | | | | | |
|---|--|---|---|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | | | |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433 | | | |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: | | | |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: BONANZA 1023-6B | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0340 FNL 2485 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 06 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047403980000 | | | |
| PHONE NUMBER: 720 929-6007 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | | | |
| COUNTY: UTAH | | STATE: UTAH | | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | | | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/10/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____ </td> </tr> </table> | | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: _____ |
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| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you. | | | | | |
| <div style="text-align: right;"> Approved by the Utah Division of Oil, Gas and Mining </div> | | Date: <u>October 08, 2009</u> | | | |
| <div style="text-align: right;"> By: </div> | | DATE 10/6/2009 | | | |
| NAME (PLEASE PRINT) Danielle Piernot | | PHONE NUMBER 720 929-6156 | | | |
| SIGNATURE N/A | | TITLE Regulatory Analyst | | | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047403980000

API: 43047403980000

Well Name: BONANZA 1023-6B

Location: 0340 FNL 2485 FEL QTR NWNE SEC 06 TWNP 100S RNG 230E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 10/16/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Danielle Piernot

Date: 10/6/2009

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: October 08, 2009

By: 

RECEIVED October 06, 2009

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433 |
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| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: BONANZA 1023-6B |
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| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0340 FNL 2485 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 06 Township: 10.0S Range: 23.0E Meridian: S | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| | | COUNTY: UTAH |
| | | STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|--|---|---|--|
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/16/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: October 11, 2010

By:

| | | |
|--|-------------------------------------|------------------------------------|
| NAME (PLEASE PRINT) Danielle Piernot | PHONE NUMBER 720 929-6156 | TITLE Regulatory Analyst |
| SIGNATURE N/A | | DATE 10/11/2010 |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047403980000

API: 43047403980000

Well Name: BONANZA 1023-6B

Location: 0340 FNL 2485 FEL QTR NWNE SEC 06 TWNP 100S RNG 230E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 10/16/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
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- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

**Approved by the
Utah Division of
Oil, Gas and Mining**

Signature: Danielle Piernot

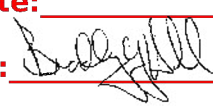
Date: 10/11/2010

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: October 11, 2010

By: 

RECEIVED October 11, 2010

| | | |
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| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| PHONE NUMBER: 720 929-6515 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/16/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: </div> </div> | |
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| Approved by the Utah Division of Oil, Gas and Mining Date: 09/20/2011 By:  | | |
| NAME (PLEASE PRINT) Danielle Piernot | | PHONE NUMBER 720 929-6156 |
| SIGNATURE N/A | | TITLE Regulatory Analyst |
| DATE 9/19/2011 | | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047403980000

API: 43047403980000

Well Name: BONANZA 1023-6B

Location: 0340 FNL 2485 FEL QTR NWNE SEC 06 TWNP 100S RNG 230E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 10/16/2008

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- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Danielle Piernot

Date: 9/19/2011

Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

RECEIVED Sep. 19, 2011

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| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | | | |
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| PHONE NUMBER: 720 929-6515 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES | | | |
| COUNTY: UINTAH | | STATE: UTAH | | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | | | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | | | | |
| <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/20/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date: | <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table> | | <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> |
| <input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> | | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator is requesting to extend this permit and the following changes to the originally approved APD: 1. Surface Location Change (New Plat Attached) 2. Proposed Total Depth (New Drilling Program Attached) 3. Surface Hole Size and Casing Grade (New Wellbore Diagram Attached) 4. Bonanza 1023-6B Pad buried gas & liquid pipelines will tie into the following approved Right-of-Way Grants (Topo D2 Attached): Gas = UTU-88692 and Liquid = UTU-88691 | | | | | |
| Approved by the Utah Division of Oil, Gas and Mining Date: 09/27/2011 By: | | | | | |
| NAME (PLEASE PRINT) Gina Becker | | PHONE NUMBER 720 929-6086 | | | |
| SIGNATURE N/A | | TITLE Regulatory Analyst II | | | |
| DATE 9/20/2011 | | | | | |



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047403980000

API: 43047403980000

Well Name: BONANZA 1023-6B

Location: 0340 FNL 2485 FEL QTR NWNE SEC 06 TWNP 100S RNG 230E MER S

Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date Original Permit Issued: 10/16/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

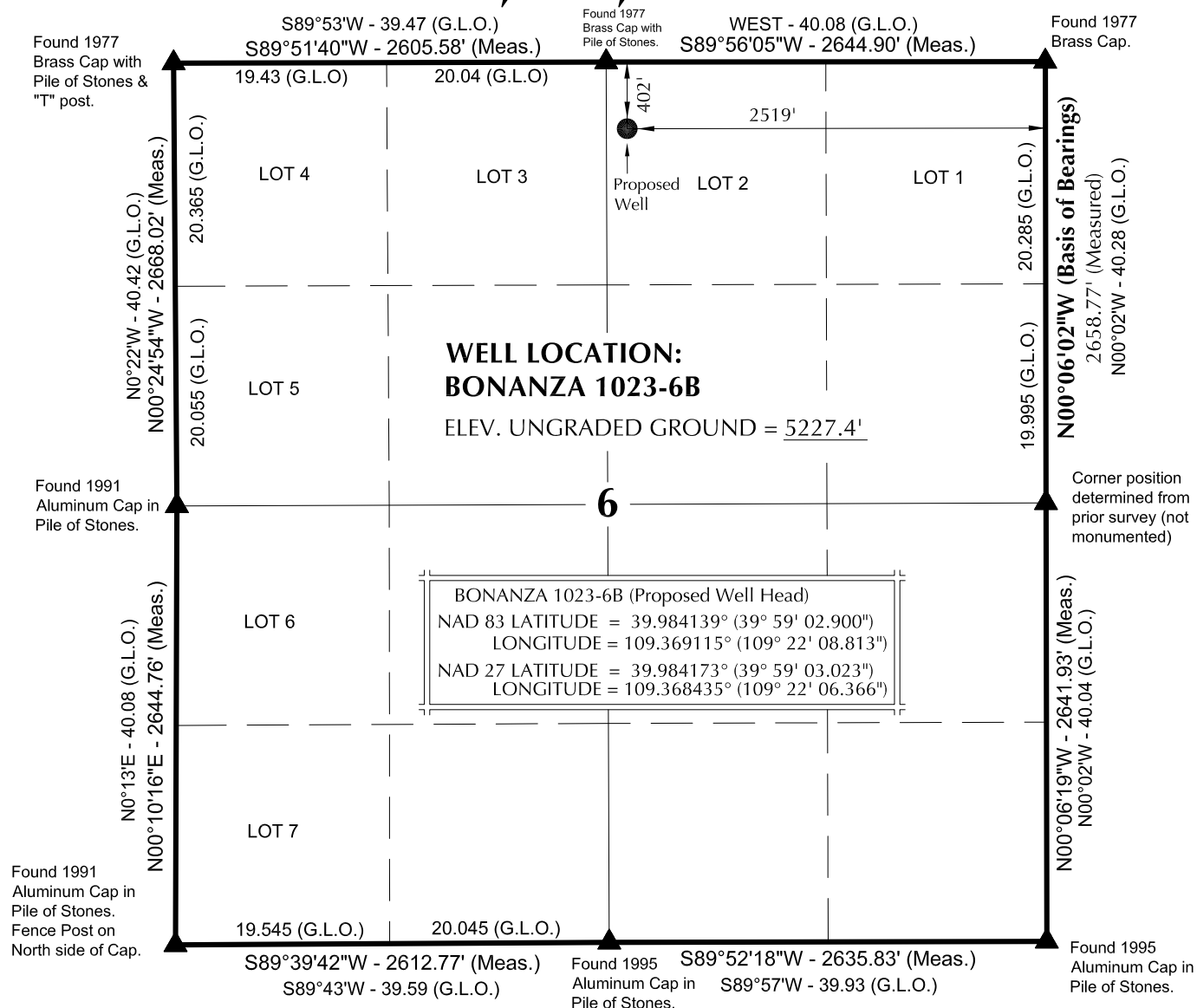
- If located on private land, has the ownership changed, if so, has the surface agreement been updated? ☐ Yes ☒ No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? ☐ Yes ☒ No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? ☐ Yes ☒ No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? ☐ Yes ☒ No
- Has the approved source of water for drilling changed? ☐ Yes ☒ No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? ☐ Yes ☒ No
- Is bonding still in place, which covers this proposed well? ☒ Yes ☐ No

Signature: Gina Becker

Date: 9/20/2011

Title: Regulatory Analyst II **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

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T10S, R23E, S.L.B.&M.**NOTES:**

▲ = Section Corners Located

- Well footages are measured at right angles to the Section Lines.
- G.L.O. distances are shown in feet or chains.
1 chain = 66 feet.
- Bearings are based on Global Positioning Satellite observations.
- Basis of elevation is Tri-Sta "Two Water" located in the NW $\frac{1}{4}$ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

**SURVEYOR'S CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

PROFESSIONAL LAND SURVEYOR
 REGISTRATION NO. 6028691
 STATE OF UTAH
 No. 6028691
 JOHN R. HAUGH
 SURVEYOR

Kerr-McGee Oil & Gas Onshore, LP
 1099 18th Street - Denver, Colorado 80202

WELL PAD: BONANZA 1023-6B

**BONANZA 1023-6B
 WELL PLAT
 402' FNL, 2519' FEL
 LOT 2 OF SECTION 6, T10S, R23E,
 S.L.B.&M., UTAH COUNTY, UTAH.**

609
CONSULTING, LLC
 371 Coffeen Avenue
 Sheridan WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

TIMBERLINE (435) 789-1365
 ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

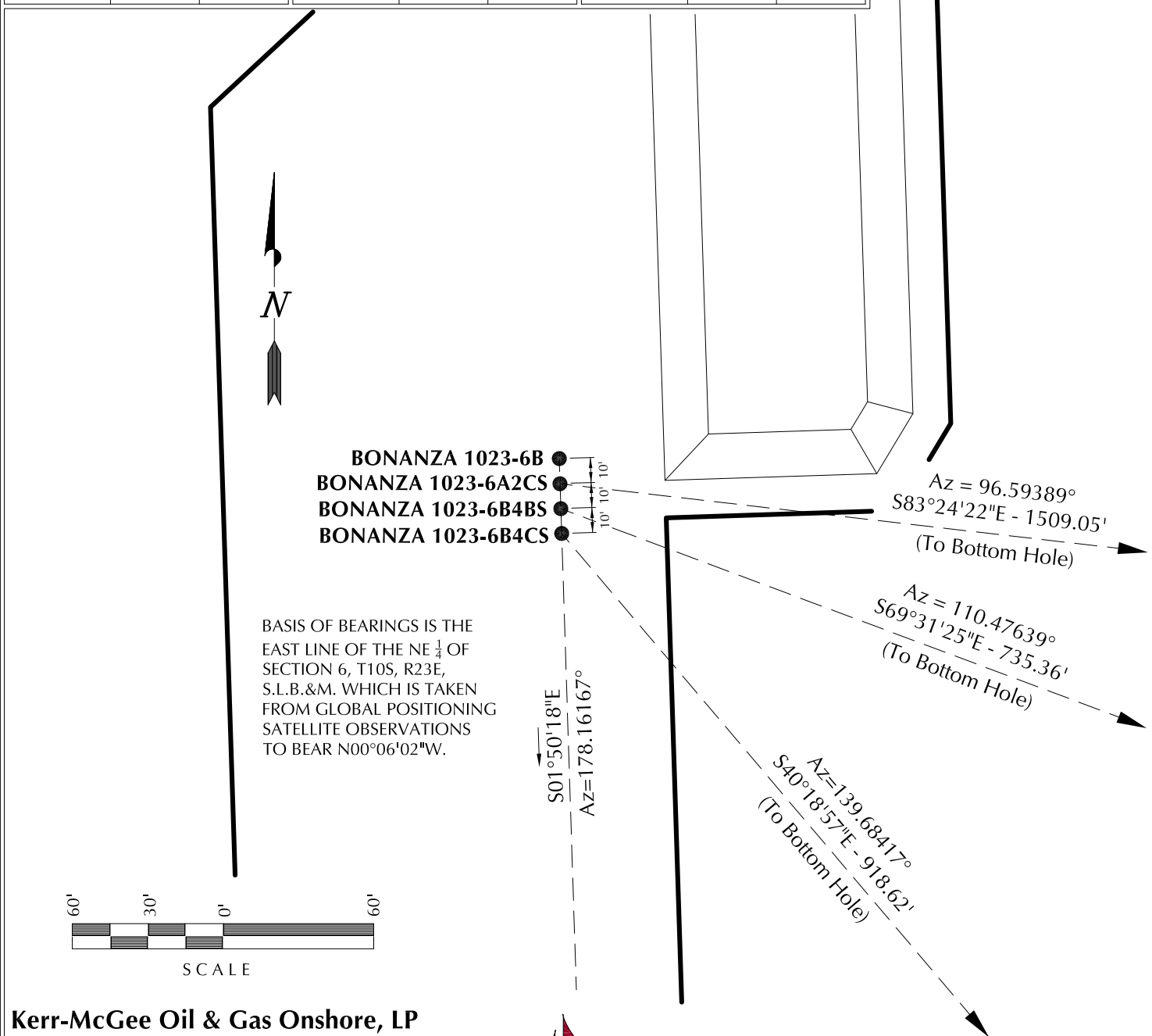
| | | |
|----------------------------|---------------------|-----------|
| DATE SURVEYED: 03-15-10 | SURVEYED BY: M.S.B. | SHEET NO: |
| DATE DRAWN: 08-04-10 | DRAWN BY: M.W.W. | 4 |
| SCALE: 1" = 1000' | Date Last Revised: | 4 OF 16 |

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| WELL NAME | SURFACE POSITION | | | | | BOTTOM HOLE | | | | |
|--------------------|------------------|----------------|---------------|----------------|-----------------------|---------------|----------------|---------------|----------------|------------------------|
| | NAD83 | | NAD27 | | FOOTAGES | NAD83 | | NAD27 | | FOOTAGES |
| | LATITUDE | LONGITUDE | LATITUDE | LONGITUDE | | LATITUDE | LONGITUDE | LATITUDE | LONGITUDE | |
| BONANZA 1023-6B4CS | 39°59'02.604" | 109°22'08.801" | 39°59'02.727" | 109°22'06.354" | 432' FNL 2518' FEL | 39°58'55.677" | 109°22'01.178" | 39°58'55.800" | 109°21'58.731" | 1133' FNL 1925' FEL |
| BONANZA 1023-6B4BS | 39°59'02.702" | 109°22'08.806" | 39°59'02.825" | 109°22'06.358" | 422' FNL 2518' FEL | 39°59'00.153" | 109°21'59.961" | 39°59'00.276" | 109°21'57.514" | 680' FNL 1830' FEL |
| BONANZA 1023-6A2CS | 39°59'02.800" | 109°22'08.810" | 39°59'02.923" | 109°22'06.362" | 412' FNL 2519' FEL | 39°59'01.072" | 109°21'49.559" | 39°59'01.195" | 109°21'47.113" | 587' FNL 1020' FEL |
| BONANZA 1023-6B | 39°59'02.900" | 109°22'08.813" | 39°59'03.023" | 109°22'06.366" | 402' FNL 2519' FEL | 39°59'01.072" | 109°21'49.559" | 39°59'01.195" | 109°21'47.113" | 587' FNL 1020' FEL |

RELATIVE COORDINATES - From Surface Position to Bottom Hole

| WELL NAME | NORTH | EAST | WELL NAME | NORTH | EAST | WELL NAME | NORTH | EAST |
|--------------------|---------|--------|--------------------|---------|--------|--------------------|---------|----------|
| BONANZA 1023-6B4CS | -700.4' | 594.3' | BONANZA 1023-6B4BS | -257.2' | 688.9' | BONANZA 1023-6A2CS | -173.3' | 1,499.1' |



Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6B

WELL PAD INTERFERENCE PLAT
WELLS - BONANZA 1023-6B4CS,
BONANZA 1023-6B4BS,
BONANZA 1023-6A2CS & BONANZA 1023-6B
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., UTAH COUNTY, UTAH.



609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE

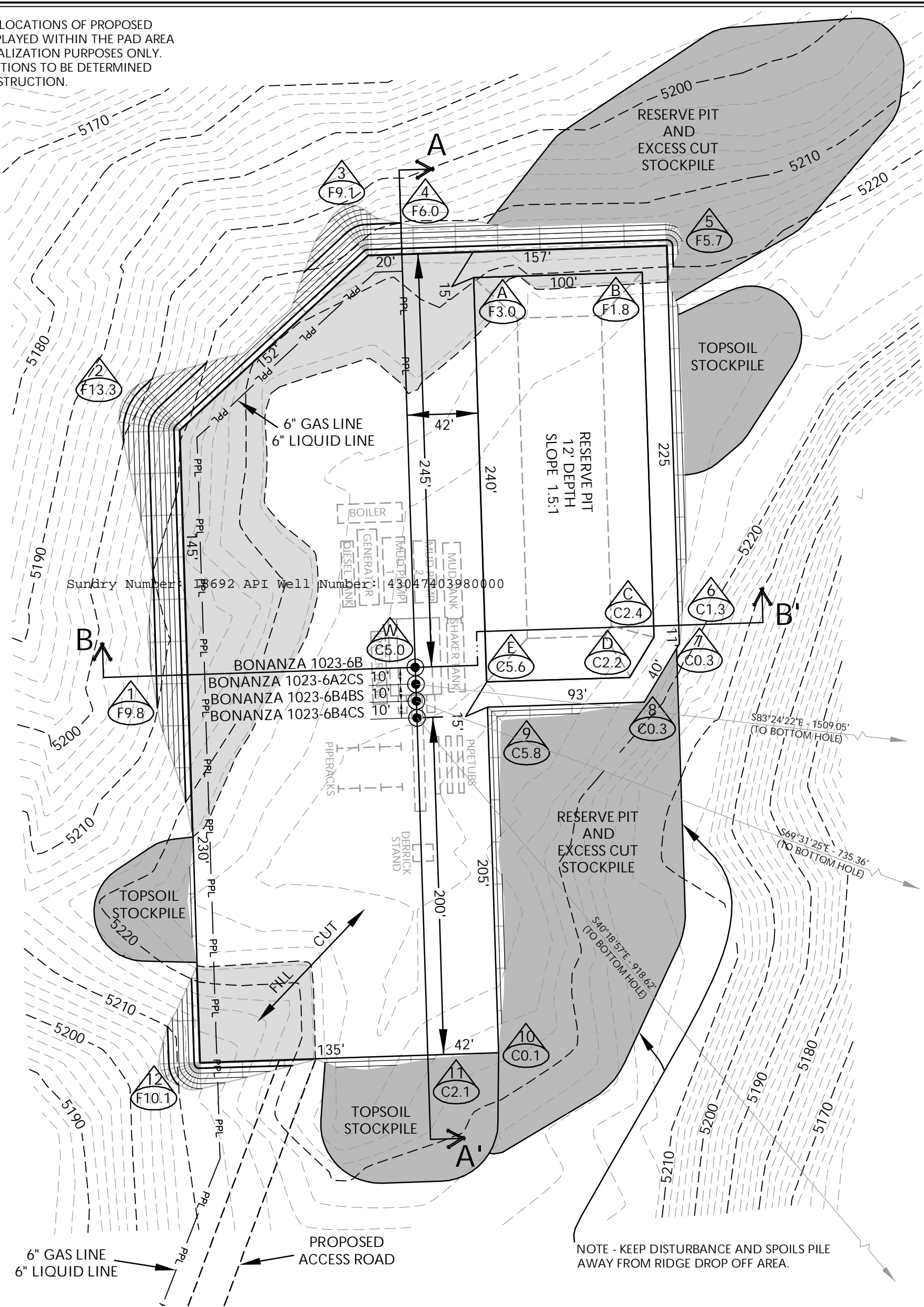
(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

| | | |
|----------------------------|---------------------------------------|----------------------------------|
| DATE SURVEYED: 03-15-10 | SURVEYED BY: M.S.B. | SHEET NO: 5 5 OF 16 |
| DATE DRAWN: 03-16-10 | DRAWN BY: E.M.S. | |
| SCALE: 1" = 60' | Date Last Revised: 08-04-10 M.W.W. | |

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PLEASE NOTE: LOCATIONS OF PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.



WELL PAD - BONANZA 1023-6B DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 5227.4'
FINISHED GRADE ELEVATION = 5222.4'
CUT SLOPES = 1.5:1
FILL SLOPES = 1.5:1
TOTAL WELL PAD AREA = 2.88 ACRES
TOTAL DAMAGE AREA = 5.62 ACRES
SHRINKAGE FACTOR = 1.10
SWELL FACTOR = 1.00

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

WELL PAD - BONANZA 1023-6B

WELL PAD - LOCATION LAYOUT
BONANZA 1023-6B4CS, BONANZA 1023-6B4BS,
BONANZA 1023-6A2CS & BONANZA 1023-6B
LOCATED IN SECTION 6, T10S, R23E,
S.L.B.&M., UINTAH COUNTY, UTAH



CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 10,528 C.Y.
TOTAL FILL FOR WELL PAD = 6,916 C.Y.
TOPSOIL @ 6" DEPTH = 2,324 C.Y.
EXCESS MATERIAL = 3,612 C.Y.

RESERVE PIT QUANTITIES

TOTAL CUT FOR RESERVE PIT
+/- 8,100 CY
RESERVE PIT CAPACITY (2' OF FREEBOARD)
+/- 30,810 BARRELS

TIMBERLINE
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL - PROPOSED PIPELINE
- EPL - EXISTING PIPELINE



HORIZONTAL 0 30 60 1" = 60'
2' CONTOURS

Scale: 1"=60' Date: 4/7/10 SHEET NO: 6
REVISED: DJD 8/6/10 6 OF 16

Bonanza 1023-6B Pad

Drilling Program
1 of 4**Kerr-McGee Oil & Gas Onshore. L.P.****BONANZA 1023-6B**

Surface: 402 FNL / 2519 FEL NWNE
 BHL: 402 FNL / 2519 FEL NWNE

Section 6 T10S R23E

Unitah County, Utah
 Mineral Lease: UTU-33433

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

| <u>Formation</u> | <u>Depth</u> | <u>Resource</u> |
|------------------|--------------|-----------------|
| Uinta | 0 - Surface | |
| Green River | 1299 | |
| Birds Nest | 1569 | Water |
| Mahogany | 1934 | Water |
| Wasatch | 4331 | Gas |
| Mesaverde | 6471 | Gas |
| MVU2 | 7451 | Gas |
| MVL1 | 8015 | Gas |
| Sego | 8629 | Gas |
| TVD | 8629 | |
| TD | 8629 | |

3. **Pressure Control Equipment** (Schematic Attached)

Please refer to the attached Drilling Program

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program

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5. Drilling Fluids Program:

Please refer to the attached Drilling Program

6. Evaluation Program:

Please refer to the attached Drilling Program

7. Abnormal Conditions:

Maximum anticipated bottom hole pressure calculated at 8629' TVD, approximately equals
5,523 psi (0.64 psi/ft = actual bottomhole gradient)

Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

Maximum anticipated surface pressure equals approximately 3,612 psi (bottom hole pressure
minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot, per Onshore Order No. 2).

Per Onshore Order No. 2 - Max Anticipated Surf. Press.(MASP) = (Pore Pressure at next csg point-
(0.22 psi/ft-partial evac gradient x TVD of next csg point))

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- Blowout Prevention Equipment (BOPE) requirements;
- Mud program requirements; and
- Special drilling operation (surface equipment placement) requirements associated with air drilling.

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

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Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12 1/4 inch hole for the first 200 feet, then will drill a 11 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 11 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 8-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements

The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements

Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements

Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature

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and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements

KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion

The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.

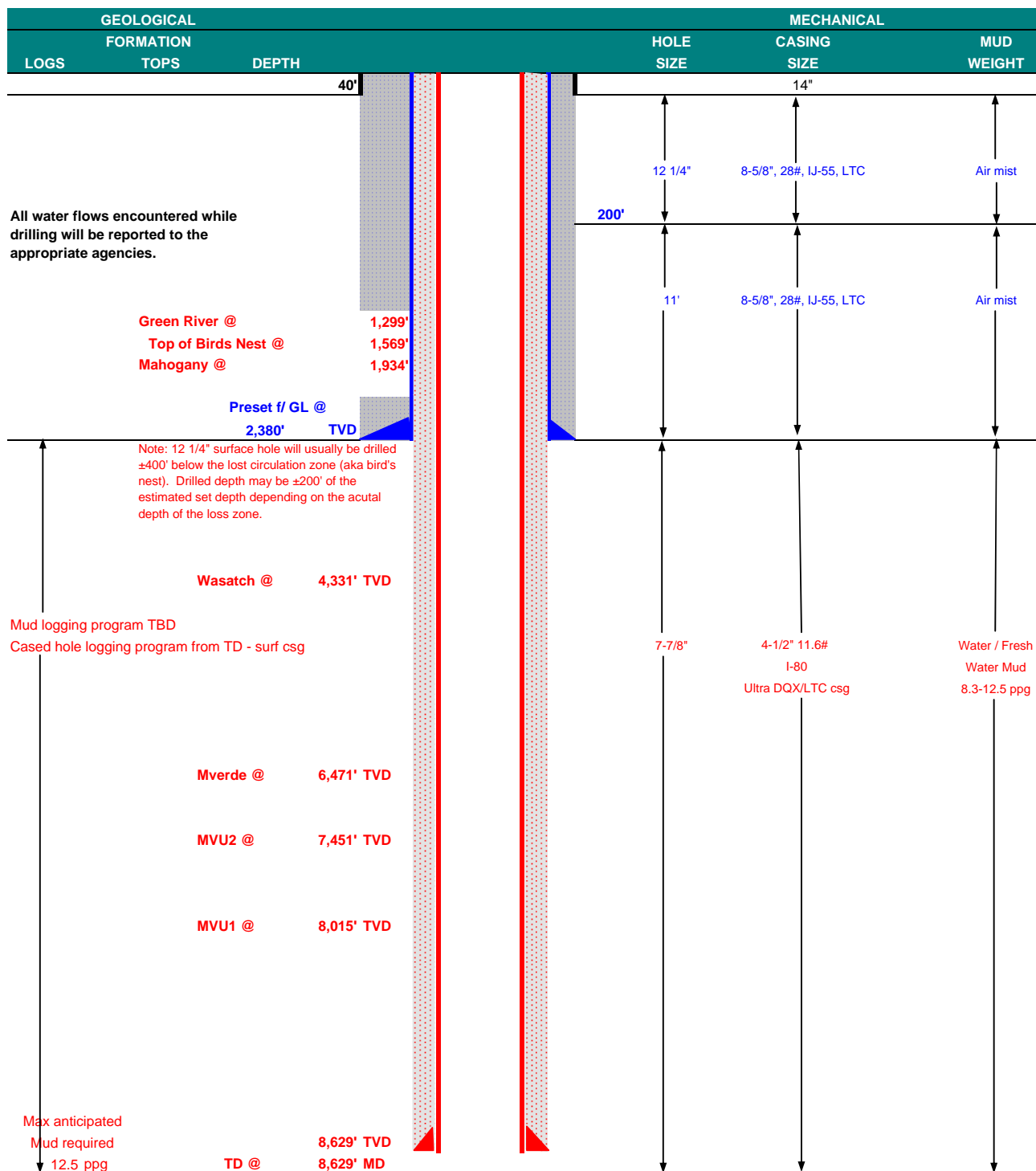
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KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

| | | | | | | | | | |
|-------------------|---|-----------|------------|-------------|-------|-------|--------------------|-----|-----------|
| COMPANY NAME | KERR-McGEE OIL & GAS ONSHORE LP | | | | | DATE | September 20, 2011 | | |
| WELL NAME | BONANZA 1023-6B | | | | | TD | 8,629' | TVD | 8,629' MD |
| FIELD | Natural Buttes | | COUNTY | Uintah | STATE | Utah | FINISHED ELEVATION | | 4,825' |
| SURFACE LOCATION | NWNE | 402 FNL | 2519 FEL | Sec 6 | T 10S | R 23E | | | |
| | Latitude: | 39.984139 | Longitude: | -109.369115 | | | | | |
| BTM HOLE LOCATION | NWNE | 402 FNL | 2519 FEL | Sec 6 | T 10S | R 23E | | | |
| | Latitude: | 39.984139 | Longitude: | -109.369115 | | | | | |
| OBJECTIVE ZONE(S) | Wasatch/Mesaverde | | | | | | | | |
| ADDITIONAL INFO | Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept. | | | | | | | | |





KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

| CASING PROGRAM | | | | | | DESIGN FACTORS | | | | | |
|----------------|--------|----------|----|--------|-------|----------------|-------|----------|---------|---------|---------|
| | | | | | | LTC | | DQX | | | |
| | SIZE | INTERVAL | | WT. | GR. | CPLG. | BURST | COLLAPSE | TENSION | | |
| CONDUCTOR | 14" | 0-40' | | | | | | | | | |
| | | | | | | | 3,390 | 1,880 | 348,000 | N/A | |
| SURFACE | 8-5/8" | 0 | to | 2,380 | 28.00 | IJ-55 | LTC | 2.26 | 1.69 | 5.96 | N/A |
| | | | | | | | | 2.26 | 1.69 | 5.96 | N/A |
| PRODUCTION | | | | | | | | 7,780 | 6,350 | 223,000 | 267,035 |
| | 4-1/2" | 0 | to | 5,000 | 11.60 | I-80 | DQX | 1.11 | 1.13 | | 3.30 |
| | 4-1/2" | 5,000 | to | 8,629' | 11.60 | I-80 | LTC | 1.11 | 1.13 | 6.54816 | |

Surface Casing:

(Burst Assumptions: TD = 12.5 ppg)

0.73 psi/ft = frac gradient @ surface shoe

Fracture at surface shoe with 0.1 psi/ft gas gradient above

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoys.Fact. of water)

Production casing:

(Burst Assumptions: Pressure test with 8.4ppg @

7000 psi)

0.64 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing*Buoys.Fact. of water)

CEMENT PROGRAM

| | | FT. OF FILL | DESCRIPTION | SACKS | EXCESS | WEIGHT | YIELD |
|------------|----------------------|-------------|--|---------|--------|--------|-------|
| SURFACE | LEAD | 500' | Premium cmt + 2% CaCl | 180 | 60% | 15.80 | 1.15 |
| Option 1 | | | + 0.25 pps flocele | | | | |
| | TOP OUT CMT (6 jobs) | 1,200' | 20 gals sodium silicate + Premium cmt | 270 | 0% | 15.80 | 1.15 |
| | | | + 2% CaCl + 0.25 pps flocele | | | | |
| SURFACE | | | NOTE: If well will circulate water to surface, option 2 will be utilized | | | | |
| Option 2 | LEAD | 1,880' | 65/35 Poz + 6% Gel + 10 pps gilsonite | 170 | 35% | 11.00 | 3.82 |
| | | | + 0.25 pps Flocele + 3% salt BWOW | | | | |
| | TAIL | 500' | Premium cmt + 2% CaCl | 150 | 35% | 15.80 | 1.15 |
| | | | + 0.25 pps flocele | | | | |
| | TOP OUT CMT | as required | Premium cmt + 2% CaCl | as req. | | 15.80 | 1.15 |
| PRODUCTION | LEAD | 3,829' | Premium Lite II +0.25 pps | 300 | 35% | 11.00 | 3.38 |
| | | | celloflake + 5 pps gilsonite + 10% gel | | | | |
| | | | + 0.5% extender | | | | |
| | TAIL | 4,800' | 50/50 Poz/G + 10% salt + 2% gel | 1,140 | 35% | 14.30 | 1.31 |
| | | | + 0.1% R-3 | | | | |

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

| | |
|------------|--|
| SURFACE | Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe |
| | |
| PRODUCTION | Float shoe, 1 jt, float collar. No centralizers will be used. |
| | |

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Surveys will be taken at 1,000' minimum intervals.

Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

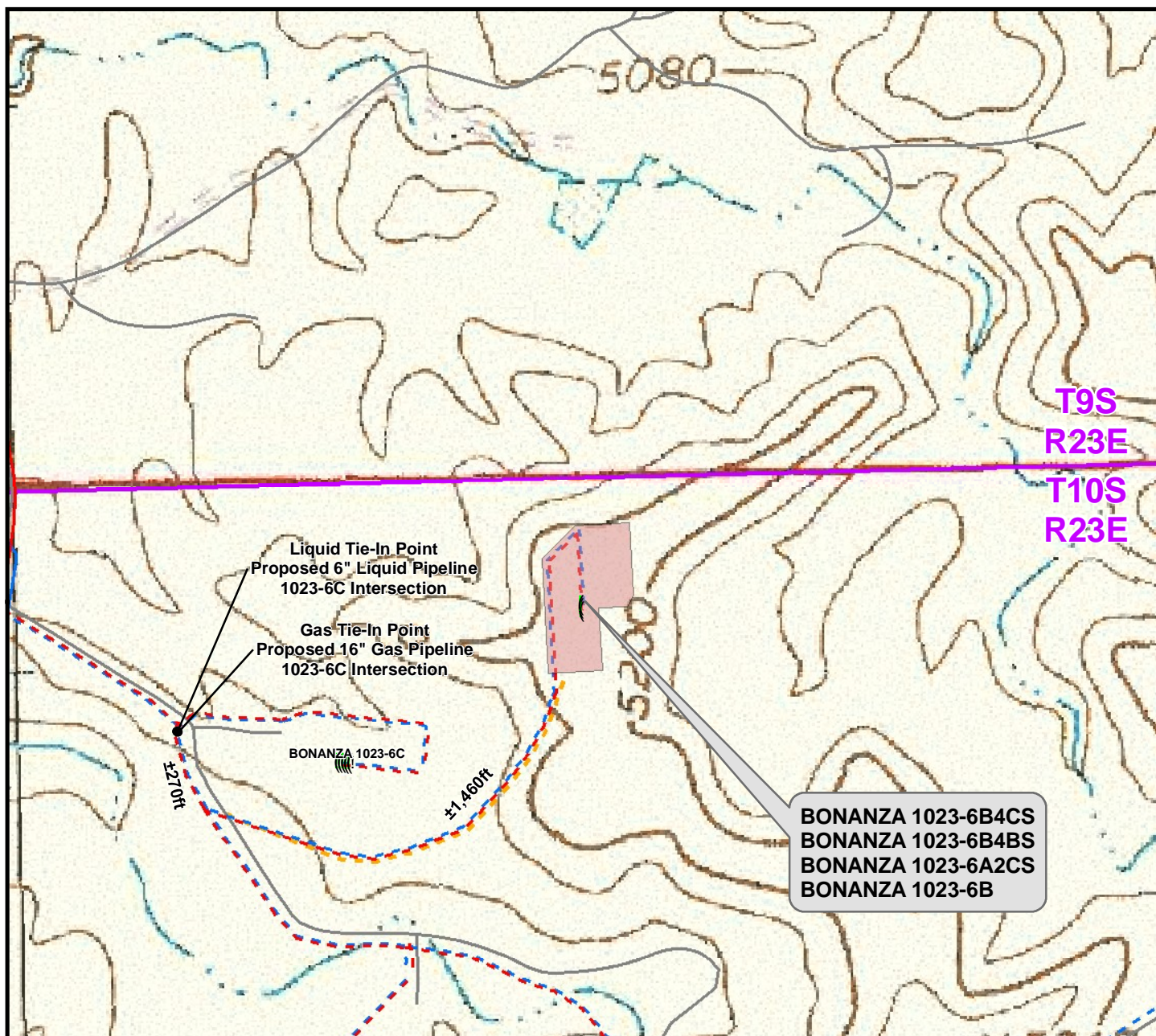
DRILLING ENGINEER:

Nick Spence / Danny Showers / Chad Loesel

DATE:**DRILLING SUPERINTENDENT:**

Kenny Gathings / Lovel Young

DATE:



| Proposed Liquid Pipeline | Length |
|--|-----------------|
| Proposed 6" (Meter House to Edge of Pad) | ±650ft |
| Proposed 6" (Edge of Pad to Road Intersection) | ±1,460ft |
| Proposed 6" (Road Intersection to 6C Intersection) | ±270ft |
| TOTAL PROPOSED LIQUID PIPELINE = | ±2,380ft |

| Proposed Gas Pipeline | Length |
|---|-----------------|
| Proposed 6" (Meter House to Edge of Pad) | ±650ft |
| Proposed 6" (Edge of Pad to Proposed 16" Pipeline) | ±1,460ft |
| Proposed 16" (Proposed 16" Pipeline to 6C Intersection) | ±270ft |
| TOTAL PROPOSED GAS PIPELINE = | ±2,380ft |

Legend

| | | | | |
|-------------------|-------------------------------------|--|-----------------------|---------------------------|
| (Well - Proposed | - - - Gas Pipeline - Proposed | - - - Liquid Pipeline - Proposed | - - - Road - Proposed | Bureau of Land Management |
| ! Well - Existing | - - - Gas Pipeline - To Be Upgraded | - - - Liquid Pipeline - To Be Upgraded | - - - Road - Existing | Indian Reservation |
| Well Pad | - - - Gas Pipeline - Existing | - - - Liquid Pipeline - Existing | | State |
| | | | | Private |

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

WELL PAD - BONANZA 1023-6B

TOPO D2 (PAD & PIPELINE DETAIL)
BONANZA 1023-6B4CS, BONANZA 1023-6B4BS,
BONANZA 1023-6A2CS & BONANZA 1023-6B
LOCATED IN SECTION 6, T10S, R23E
S.L.B.&M., UINTAH COUNTY, UTAH



| | | |
|-------------------|-------------------|-----------|
| Scale: 1" = 500ft | NAD83 USP Central | Sheet No: |
| Drawn: TL | Date: 13 Apr 2010 | 14 |
| Revised: CPS | Date: 15 Oct 2010 | 14 of 16 |

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433 |
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| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: BONANZA 1023-6B |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0402 FNL 2519 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 06 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047403980000 |
| PHONE NUMBER: 720 929-6515 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
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| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/> | |
| <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 10/28/2011 | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION | |
| <input type="checkbox"/> DRILLING REPORT Report Date: | <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX. SPUD WELL ON 10/28/2011 AT 1630 HRS. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY | | |
| NAME (PLEASE PRINT) Sheila Wopsock | | PHONE NUMBER 435 781-7024 |
| SIGNATURE N/A | | TITLE Regulatory Analyst |
| DATE 11/1/2011 | | |

BLM - Vernal Field Office - Notification Form

Operator KERR-McGEE OIL & GAS Rig Name/# BUCKET RIG
Submitted By SHEILA WOPSOCK Phone Number 435.781.7024
Well Name/Number BONANZA 1023-6B
Qtr/Qtr NW/NE Section 6 Township 10S Range 23E
Lease Serial Number UTU-33433
API Number 4304740398

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 10/28/2011 0800 HRS AM ☒ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

RECEIVED

OCT 27 2011

DIV. OF OIL, GAS & MINING

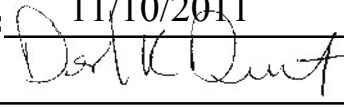
Date/Time 11/09/2011 0800 HRS AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ AM ☐ PM ☐

Remarks ESTIMATED DATE AND TIME. PLEASE CONTACT
LOVEL YOUNG AT 435.781.7051 FOR MORE

| | | |
|---|--|---|
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| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The Operator requests approval for a change in the drilling plan. Specifically, the Operator requests approval for closed loop drilling options. All other aspects of the previously approved drilling plan remain the same. Please see the attachment. Thank you. | | |
| Accepted by the Utah Division of Oil, Gas and Mining Date: <u>11/10/2011</u> By: <u></u> | | |
| NAME (PLEASE PRINT) Andy Lytle | | PHONE NUMBER 720 929-6100 |
| SIGNATURE N/A | | DATE 10/20/2011 |

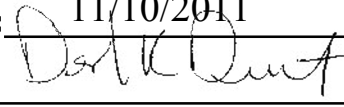
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If Kerr-McGee does not use a closed loop drilling system, it will construct a traditional drilling/completions pit to contain drill cuttings and for use in completion operations. The pit will be lined with a synthetic material 20 mil or thicker. The drill cuttings will be buried in the pit using traditional pit closure standards.

| | | |
|--|--|---|
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| | <input type="checkbox"/> PLUG AND ABANDON | |
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| | <input type="checkbox"/> RECLAMATION OF WELL SITE | |
| | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION | |
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| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| | <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU AIR RIG ON NOV. 10, 2011. DRILLED SURFACE HOLE TO 2342'. RAN SURFACE CASING AND CEMENTED. WELL IS WAITING ON ROTARY RIG. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH WELL COMPLETION REPORT. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY | | |
| NAME (PLEASE PRINT) Jaime Scharnowske | PHONE NUMBER 720 929-6304 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 11/14/2011 | |

| | | |
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| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY | | |
| NAME (PLEASE PRINT) Jaime Scharnowske | PHONE NUMBER 720 929-6304 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 11/14/2011 | |

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| NAME (PLEASE PRINT) Andy Lytle | | PHONE NUMBER 720 929-6100 |
| SIGNATURE N/A | | TITLE Regulatory Analyst |
| DATE 10/20/2011 | | |

Requested Drilling Options:

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|------------|-----|----------------------------------|-----|--------|
| 4304740398 | BONANZA 1023-6B | | NWNE | 6 | 10S | 23E | UINTAH |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| <i>A</i> | 99999 | <i>18291</i> | 10/28/2011 | | <i>11/9/11</i> | | |
| Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVB</i> SPUD WELL ON 10/28/2011 AT 1630 HRS. | | | | | | | |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| | | | | | | | |
| Comments: | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|----------------------------------|-----|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | Entity Assignment Effective Date | | |
| | | | | | | | |
| Comments: | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA WOPSOCK

Name (Please Print)

Signature

REGULATORY ANALYST

11/1/2011

Title

Date

RECEIVED

NOV 01 2011

DIV. OF OIL, GAS & MINING

| | | | | | |
|---|---|---|---|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 | | | |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433 | | | |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: | | | |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: | | | |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: BONANZA 1023-6B | | | |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0402 FNL 2519 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 06 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047403980000 | | | |
| 10. FIELD and POOL or WILDCAT: NATURAL BUTTES | | COUNTY: UINTAH | | | |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | STATE: UTAH | | | |
| TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/9/2011 | TYPE OF ACTION <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table> | | <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> |
| <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION | <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER | <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/> | | | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU ROTARY RIG. FINISHED DRILLING FROM 2342' TO 8685' ON DEC. 8, 2011. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. CEMENTED PRODUCTION CASING. RELEASED ENSIGN RIG 146 ON DEC. 9, 2011 @ 16:00 HRS. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH THE WELL COMPLETION REPORT. WELL IS WAITING ON FINAL COMPLETION ACTIVITIES. | | | | | |
| NAME (PLEASE PRINT) Jaime Scharnowske | | PHONE NUMBER 720 929-6304 | | | |
| SIGNATURE N/A | | TITLE Regulatory Analyst | | | |
| DATE 12/12/2011 | | FOR RECORD ONLY | | | |

| | | |
|--|--|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
| SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. | | 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-33433 |
| 1. TYPE OF WELL Gas Well | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: |
| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: BONANZA 1023-6B |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0402 FNL 2519 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 06 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047403980000 |
| PHONE NUMBER: 720 929-6514 | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> ALTER CASING | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CASING REPAIR | |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 2/9/2012 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | |
| | <input type="checkbox"/> CHANGE WELL STATUS | |
| | <input type="checkbox"/> CHANGE WELL NAME | |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | |
| | <input type="checkbox"/> CONVERT WELL TYPE | |
| | <input type="checkbox"/> DEEPEN | |
| | <input type="checkbox"/> FRACTURE TREAT | |
| | <input type="checkbox"/> NEW CONSTRUCTION | |
| | <input type="checkbox"/> OPERATOR CHANGE | |
| | <input type="checkbox"/> PLUG AND ABANDON | |
| | <input type="checkbox"/> PLUG BACK | |
| | <input checked="" type="checkbox"/> PRODUCTION START OR RESUME | |
| | <input type="checkbox"/> RECLAMATION OF WELL SITE | |
| | <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION | |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | |
| | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | |
| | <input type="checkbox"/> TEMPORARY ABANDON | |
| | <input type="checkbox"/> TUBING REPAIR | |
| | <input type="checkbox"/> VENT OR FLARE | |
| | <input type="checkbox"/> WATER DISPOSAL | |
| | <input type="checkbox"/> WATER SHUTOFF | |
| | <input type="checkbox"/> SI TA STATUS EXTENSION | |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| | <input type="checkbox"/> OTHER | |
| | OTHER: <input style="width: 100px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 02/09/2012 AT 1205 HRS. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 10, 2012 | | |
| NAME (PLEASE PRINT) Sheila Wopsock | PHONE NUMBER 435 781-7024 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 2/10/2012 | |

| | | |
|--|---|---|
| STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING | | FORM 9 |
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| 2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P. | | 7. UNIT or CA AGREEMENT NAME: |
| 3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 | | 8. WELL NAME and NUMBER: BONANZA 1023-6B |
| 4. LOCATION OF WELL FOOTAGES AT SURFACE: 0402 FNL 2519 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 06 Township: 10.0S Range: 23.0E Meridian: S | | 9. API NUMBER: 43047403980000 |
| PHONE NUMBER: 720 929-6515 Ext | | 9. FIELD and POOL or WILDCAT: NATURAL BUTTES |
| COUNTY: UINTAH | | STATE: UTAH |
| 11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA | | |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: | <input type="checkbox"/> ACIDIZE | |
| <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: | <input type="checkbox"/> ALTER CASING | |
| <input type="checkbox"/> SPUD REPORT Date of Spud: | <input type="checkbox"/> CASING REPAIR | |
| <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/9/2011 | <input type="checkbox"/> CHANGE TO PREVIOUS PLANS | |
| | <input type="checkbox"/> CHANGE TUBING | |
| | <input type="checkbox"/> CHANGE WELL STATUS | |
| | <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS | |
| | <input type="checkbox"/> DEEPEN | |
| | <input type="checkbox"/> FRACTURE TREAT | |
| | <input type="checkbox"/> OPERATOR CHANGE | |
| | <input type="checkbox"/> PLUG AND ABANDON | |
| | <input type="checkbox"/> PRODUCTION START OR RESUME | |
| | <input type="checkbox"/> RECLAMATION OF WELL SITE | |
| | <input type="checkbox"/> REPERFORATE CURRENT FORMATION | |
| | <input type="checkbox"/> SIDETRACK TO REPAIR WELL | |
| | <input type="checkbox"/> TUBING REPAIR | |
| | <input type="checkbox"/> VENT OR FLARE | |
| | <input type="checkbox"/> WATER SHUTOFF | |
| | <input type="checkbox"/> SI TA STATUS EXTENSION | |
| | <input type="checkbox"/> WILDCAT WELL DETERMINATION | |
| | <input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/> | |
| 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU ROTARY RIG. FINISHED DRILLING FROM 2342' TO 8685' ON DEC. 8, 2011. RAN 4-1/2" 11.6# I-80 PRODUCTION CASING. CEMENTED PRODUCTION CASING. RELEASED ENSIGN RIG 146 ON DEC. 9, 2011 @ 16:00 HRS. DETAILS OF CEMENT JOB WILL BE INCLUDED WITH THE WELL COMPLETION REPORT. WELL IS WAITING ON FINAL COMPLETION ACTIVITIES. | | |
| Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY | | |
| NAME (PLEASE PRINT) Jaime Scharnowske | PHONE NUMBER 720 929-6304 | TITLE Regulatory Analyst |
| SIGNATURE N/A | DATE 12/12/2011 | |

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU33433

| | | | |
|--|--|--|--|
| 1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other | | 6. If Indian, Allottee or Tribe Name | |
| b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____ | | 7. Unit or CA Agreement Name and No. UTU60768 | |
| 2. Name of Operator KERR MCGEE OIL & GAS ONSHORE | | 8. Lease Name and Well No. BONANZA 1023-6B | |
| 3. Address PO BOX 173779 DENVER, CO 80217 | | 9. API Well No. 43-047-40398 | |
| 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWNE Lot 2 402FNL 2519FEL At top prod interval reported below NWNE Lot 2 402FNL 2519FEL At total depth NWNE Lot 2 402FNL 2519FEL | | 10. Field and Pool, or Exploratory NATURAL BUTTES | |
| 14. Date Spudded 10/28/2011 | | 15. Date T.D. Reached 12/08/2011 | |
| 16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 02/09/2012 | | 17. Elevations (DF, KB, RT, GL)* 5222 GL | |
| 18. Total Depth: MD 8685 TVD 8683 | | 19. Plug Back T.D.: MD 8622 TVD 8620 | |
| 20. Depth Bridge Plug Set: MD TVD | | 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) HDIL/ZDL/CNCR-CBL/GR/COLLARS/TEMP | |
| 22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) | | | |

23. Casing and Liner Record (Report all strings set in well)

| Hole Size | Size/Grade | Wt. (#/ft.) | Top (MD) | Bottom (MD) | Stage Cementer Depth | No. of Sk. & Type of Cement | Slurry Vol. (BBL) | Cement Top* | Amount Pulled |
|-----------|-------------|-------------|----------|-------------|----------------------|-----------------------------|-------------------|-------------|---------------|
| 20.000 | 14.000 STL | 36.7 | 0 | 40 | | 28 | | | |
| 11.000 | 8.625 IJ-55 | 28.0 | 0 | 2357 | | 675 | | 0 | |
| 7.875 | 4.500 I-80 | 11.6 | 0 | 8666 | | 1558 | | 300 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

24. Tubing Record

| Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) | Size | Depth Set (MD) | Packer Depth (MD) |
|-------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 2.375 | 8025 | | | | | | | |

25. Producing Intervals

26. Perforation Record

| Formation | Top | Bottom | Perforated Interval | Size | No. Holes | Perf. Status |
|--------------|------|--------|---------------------|-------|-----------|--------------|
| A) WASATCH | 5704 | 6070 | 5704 TO 6070 | 0.360 | 48 | OPEN |
| B) MESAVERDE | 6997 | 8393 | 6997 TO 8393 | 0.360 | 143 | OPEN |
| C) | | | | | | |
| D) | | | | | | |

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

| Depth Interval | Amount and Type of Material |
|----------------|--|
| 5704 TO 8393 | PUMP 8109 BBLs SLICK H2O & 190,549 LBS 30/50 OTTAWA SAND |
| | |
| | |
| | |

28. Production - Interval A

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|----------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| 02/09/2012 | 02/12/2012 | 24 | → | 0.0 | 2616.0 | 240.0 | | | FLows FROM WELL |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. SI | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| 20/64 | 1920 | 2550.0 | → | 0 | 2616 | 240 | | PGW | |

28a. Production - Interval B

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|----------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. SI | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | | | |

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #133091 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

DIV. OF OIL, GAS & MINING

RECEIVED
MAR 20 2012

28b. Production - Interval C

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | | | |

28c. Production - Interval D

| Date First Produced | Test Date | Hours Tested | Test Production | Oil BBL | Gas MCF | Water BBL | Oil Gravity Corr. API | Gas Gravity | Production Method |
|---------------------|----------------------|--------------|-----------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| | | | → | | | | | | |
| Choke Size | Tbg. Press. Flwg. SI | Csg. Press. | 24 Hr. Rate | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio | Well Status | |
| | | | → | | | | | | |

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

| Formation | Top | Bottom | Descriptions, Contents, etc. | Name | Top Meas. Depth |
|-----------|-----|--------|------------------------------|--|--------------------------------------|
| | | | | GREEN RIVER BIRD'S NEST MAHOGANY WASATCH MESAVERDE | 1297 1540 2057 4341 6486 |

32. Additional remarks (include plugging procedure):

The first 210' of the surface hole was drilled with a 12 ?? bit. The remainder of surface hole was drilled with an 11? bit. DQX csg was run from surface to 5055?; LTC csg was run from 5055? to 8666?.

Attached is the chronological well history, perforation report & final survey.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #133091 Verified by the BLM Well Information System.
For KERR MCGEE OIL & GAS ONSHORE, L, sent to the Vernal

Name (please print) JAIME L. SCHARNOWSKE

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 03/15/2012

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: ENSIGN 146/146, PROPETRO 11/11

Event: DRILLING

Start Date: 10/19/2011

End Date: 12/9/2011

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|------------|-------------------|------------------|--------|------|-------------|-----|-------------------|--|
| 11/10/2011 | 12:30 - 21:30 | 9.00 | DRLSUR | 01 | A | P | | MOVE RIG FROM NBU 921-8K TO BONANZA 1023-6B |
| | 21:30 - 0:00 | 2.50 | DRLSUR | 01 | B | P | | RIG UP |
| 11/11/2011 | 0:00 - 6:00 | 6.00 | MIRU | 01 | B | P | | RIG UP |
| | 6:00 - 10:00 | 4.00 | MIRU | 21 | B | Z | | WAITING ON H2O TRUCK TO HELP PRIME RESERVE PIT PUMP |
| | 10:00 - 14:00 | 4.00 | MIRU | 08 | B | Z | | WAIT ON REPLAMENT RESERVE PIT PUMP |
| | 14:00 - 16:00 | 2.00 | MIRU | 02 | B | P | | DRILL 12.25" HOLE 44'- 210'. (166', 83'/HR) RPM=45, WOB 5-15K. PSI ON/OFF 600/400. UP/DOWN/ ROT 20/20/20 K. DRAG 0 K. CIRC RESERVE W. 8.3# WATER. DRILL DOWN TO 210' W/ 6" COLLARS. |
| | 16:00 - 19:00 | 3.00 | MIRU | 06 | A | P | | SPUD 11/11/11 @ 14:00 |
| | 19:00 - 0:00 | 5.00 | MIRU | 02 | B | P | | POOH, PU, 11" BIT AND DIRECTIONAL TOOLS, TIH T/ 210' |
| 11/12/2011 | 0:00 - 16:00 | 16.00 | DRLSUR | 02 | B | P | | DRILL F/210 T/700' (490' @ 98' PER HR) WOB 20K, PSI ON/OFF 1100/950, RPM 50 UP/DWN/ROT 60/49/56 |
| | 16:00 - 18:00 | 2.00 | DRLSUR | 05 | C | P | | DRILL F/700 T/2342 (1642' @ 103' PER HR) WOB 20K, PSI ON/OFF 1200/980, RPM 50 UP/DWN/ROT 60/49/56 |
| | 18:00 - 21:30 | 3.50 | DRLSUR | 06 | D | P | | CIRC F/CSG |
| | 21:30 - 22:00 | 0.50 | DRLSUR | 12 | A | P | | LDDS, BHA, DIR TOOLS |
| | 22:00 - 0:00 | 2.00 | DRLSUR | 12 | C | P | | MOVE PIPE RACKS AND CATWALK. PULL DIVERTER HEAD. RIG UP TO RUN CSG. AND MOVE CSG INTO POSITION TO P/U |
| 11/13/2011 | 0:00 - 1:30 | 1.50 | DRLSUR | 12 | C | P | | RUN CSG |
| | 1:30 - 2:00 | 0.50 | DRLSUR | 12 | B | P | | RUN 53 JTS 8 5/8, 28# CSNG. LAND CSNG @ 16:00, SHOE SET @ 2342.72', BAFFLE SET @ 2295' |
| | 2:00 - 4:00 | 2.00 | DRLSUR | 12 | E | P | | HOLD SAFETY MEETING, RUN 200' OF 1". RIG DOWN RIG MOVE OFF WELL, REBUILD DITCH. RIG UP CEMENT TRUCK, 2" HARD LINES,. CEMENT HEAD, LOAD PLUG. |
| | 4:00 - 6:00 | 2.00 | DRLSUR | 13 | A | P | | PRESSURE TEST LINES TO 2000 PSI. PUMP 150 BBLs OF WATER AHEAD. PUMP 20 BBLs OF 8.3# GEL WATER AHEAD. PUMP (300 SX) 61.35 BBLs OF 15.8# 1.15 YD 5 GAL WT PER SK. PREMIUM CEMENT W/ 2% CALC. DROP PLUG ON FLY. DISPLACE W/ 151.59 BBLs OF H2O. NO CIRC THROUGH OUT. FINAL LIFT OF 310 PSI AT 4 BBL/MIN. BUMP PLUG W/780 PSI HELD FOR 5 MIN. FLOAT HELD. PUMP (150 SX) 30.64 BBLs OF SAME TAIL CEMENT W/ 4% CALC. DOWN BACKSIDE. SHUT DOWN AND CLEAN TRUCK. NO CEMENT TO SURFACE. |
| | 6:00 - 6:30 | 0.50 | DRLSUR | 12 | E | P | | BUMP PLUG @ 03:25 RELEASE RIG @ 03:30 WOC |
| | | | | | | | | PUMP 100 SKS (20 BBLs) 15.8 CMT DOWN BACKSIDE |

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: ENSIGN 146/146, PROPETRO 11/11

Event: DRILLING

Start Date: 10/19/2011

End Date: 12/9/2011

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|-----------|-------------------|------------------|--------|------|-------------|-----|-------------------|--|
| 12/4/2011 | 6:30 - 8:00 | 1.50 | DRLSUR | 13 | A | P | | WOC |
| | 8:00 - 8:30 | 0.50 | DRLSUR | 12 | E | P | | PUMP 125 SKS (25.6 BBLS) 15.8 CMT DOWN |
| | 0:00 - 2:00 | 2.00 | MIRU | 01 | C | P | | BACKSIDE (NO CMT TO SURFACE |
| | 2:00 - 3:00 | 1.00 | PRPSPD | 14 | A | P | | SKID RIG & RU RT |
| | 3:00 - 7:00 | 4.00 | PRPSPD | 22 | O | Z | | NU BOP & EQUIPMENT |
| | | | | | | | | RNI WATER TRUCK BLOCKING EXCESS TO |
| | | | | | | | | LOCATION (DUE TO DITCH CONSTRUCTION ROAD |
| | | | | | | | | IS TO NARROW & HAS SOFT EDGES ROAD GAVE |
| | | | | | | | | WAY AND TRUCK WAS UNABLE TO CONTINUE |
| | | | | | | | | FORWARD OR BACKWARDS WAIT ON BLADE TO |
| | | | | | | | | ADJUST ROAD AND PULL WATER TRUCK OUT) |
| | 7:00 - 7:30 | 0.50 | PRPSPD | 07 | A | P | | SERVICE RIG |
| | 7:30 - 12:00 | 4.50 | PRPSPD | 15 | A | P | | TEST BOP & EQUIPMENT AS PER PROGRAM |
| | | | | | | | | 250/5000 PSI 250/2500 ON ANNULAR & 1500 PSI |
| | | | | | | | | ON CSG TEST OK |
| 12/5/2011 | 12:00 - 12:30 | 0.50 | PRPSPD | 14 | B | P | | INSTALL WEAR BUSHING |
| | 12:30 - 14:30 | 2.00 | PRPSPD | 09 | A | P | | SLIP & CUT 80' DRILL LINE |
| | 14:30 - 15:30 | 1.00 | PRPSPD | 08 | A | Z | | ADJUST WT INDICATOR CHANGE OUT SENSOR |
| | 15:30 - 20:30 | 5.00 | PRPSPD | 06 | A | P | | PU & MU BHA W/ WEATHERFORD SCRIBE, |
| | | | | | | | | ORIENTATE & TEST SAME - OK TIH TO 2,290' TAG |
| | | | | | | | | CMT |
| | 20:30 - 21:00 | 0.50 | PRPSPD | 07 | B | P | | CENTER & LEVEL DRK |
| | 21:00 - 23:00 | 2.00 | PRPSPD | 08 | A | Z | | REPLACE O-RINGS ON VICTOR VALVE TO |
| | | | | | | | | RACKING BOARD |
| | 23:00 - 23:30 | 0.50 | DRLPRO | 02 | F | P | | DRILL CMT & SHOE TRACK F/ 2,290' TO 2,357' |
| | 23:30 - 0:00 | 0.50 | DRLPRO | 02 | B | P | | DRILL 7 7/8 HOLE F/ 2,359' TO 2,551' |
| | 0:00 - 12:30 | 12.50 | DRLPRO | 02 | B | P | | DRILL /SLIDE SURVEY F/ 2,551' TO 4,760' = 2,209' |
| | | | | | | | | @ 176.72 FPH / WOB 20-22 K / RPM ROT 45-55 / |
| | | | | | | | | RPM MM 116 / SPM 112 PUMP PRESS ON /OFF BTM |
| | | | | | | | | 2170/1900 TORQUE 0N /OFF BTM 6/3 K PU / SO/ |
| 12/6/2011 | | | | | | | | ROT WT 140 / 125/ 128 SLIDING FOOTAGE 243' / |
| | | | | | | | | 120 MIN / 11% FOOTAGE DRILLED / 19% OF TIME / |
| | | | | | | | | MUD WT 8.4 PPG VIS 28 |
| | 12:30 - 13:00 | 0.50 | DRLPRO | 07 | A | P | | SERVICE RIG @ 4,760' |
| | 13:00 - 0:00 | 11.00 | DRLPRO | 02 | B | P | | DRILL /SLIDE SURVEY F/ 4,760' TO 6,400' = 1,640' @ |
| | | | | | | | | 149 FPH / WOB 20-22 K / RPM ROT 45-55 / RPM MM |
| | | | | | | | | 116 / SPM 112 PUMP PRESS ON / OFF BTM |
| | | | | | | | | 2170/1900 TORQUE 0N /OFF BTM 7/4 K PU / SO/ |
| | | | | | | | | ROT WT 175 / 160/ 167 SLIDING FOOTAGE 120' /95 |
| | | | | | | | | MIN / 14% FOOTAGE DRILLED / 7% OF TIME / MUD |
| | | | | | | | | WT 8.5 PPG VIS 28 |
| | | | | | | | | DRILL / SLIDE / SURVEY / F/ 6400' TO 7,843' = 1,443' |
| | | | | | | | | @ 99.52 FPH / WOB 20-22 K / RPM ROT 35 / RPM |
| | | | | | | | | MM 93 / SPM 90 PUMP PRESS ON / OFF BTM 1850/ |
| | | | | | | | | 1700 TORQUE 0N / OFF BTM 7/4 K PU / SO / ROT |
| 12/6/2011 | | | | | | | | WT 185 / 170 / 165 SLIDING FOOTAGE 124' / 115 |
| | | | | | | | | MIN / 13% FOOTAGE DRILLED / 9% OF TIME / MUD |
| | 14:30 - 15:00 | 0.50 | DRLPRO | 07 | A | P | | WT 9.9 PPG VIS 34 (MUD UP @ 7,650') |
| | | | | | | | | SERVICE RIG @ 7,843' |

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: ENSIGN 146/146, PROPETRO 11/11

Event: DRILLING

Start Date: 10/19/2011

End Date: 12/9/2011

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NWNE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|-----------|-------------------|------------------|--------|------|-------------|-----|-------------------|---|
| | 15:00 - 0:00 | 9.00 | DRLPRO | 02 | B | P | | DRILL / SURVEY F/ 7,843' TO 8,300' = 457' @ 51 FPH / WOB 20-22 K / RPM ROT 35 / RPM MM 93 / SPM 90 PUMP PRESS ON / OFF BTM 2175 / 11950 TORQUE 0N / OFF BTM 7/4 K PU / SO / ROT WT 190 / 1184/ 185 / MUD WT 10.9 PPG VIS 39 / NO MUD LOSE / NO FLARE |
| 12/7/2011 | 0:00 - 5:00 | 5.00 | DRLPRO | 02 | B | P | | DRILL / SURVEY F/ 8,300' TO 8,444' = 144' @ 29' FPH / WOB 22-24 K / RPM ROT 35 / RPM MM 93 / SPM 90 PUMP PRESS ON / OFF BTM 2175 / 11950 TORQUE 0N / OFF BTM 7/4 K PU / SO / ROT WT 192 / 1184/ 186 / MUD WT 11.0 PPG VIS 41 / NO MUD LOSE / NO FLARE |
| | 5:00 - 11:30 | 6.50 | DRLPRO | 06 | A | P | | TRIP FOR BIT BACK REAMED F/8444' TO 7100', CONTINUE POOH TO 3790' WELL SWABBING, BACKREAMED F/3790' TO 2400' - 8 5/8 CASING SHOE, WELL FLOWING @ 2400' (WORKED TIGHT HOLE 4229') |
| | 11:30 - 14:30 | 3.00 | DRLPRO | 05 | B | P | | CIRC BTMS UP @ 2400' 15' FLARE FOR 10 MINS - WELL CONTINUE TO FLOW, RAISE MUD WEIGHT TO 11.4 - CHECK FLOW - "NO FLOW" |
| | 14:30 - 16:30 | 2.00 | DRLPRO | 06 | A | P | | CONTINUE POOH - L/OUT BIT (WELL FLOWING) |
| | 16:30 - 0:00 | 7.50 | DRLPRO | 06 | A | P | | P/UP BIT #2 HUGHES Q506F, RIH TO 1700' CIRC GAS OUT, RIH F/1700' TO 2550' CIRC OUT GAS, RIH TO 4000' CIRC OUT GAS, RIH F/4000' TO 6100' CIRC OUT GAS 35' FLARE, RIH F/6100' TO 8400' (IGNITER NOT WORKING ON FIRST CIRCULATIONS, BUT YOU COULD SEE THE GAS COMING OUT OF THE FLARE STACK) |
| 12/8/2011 | 0:00 - 0:30 | 0.50 | DRLPRO | 03 | E | P | | WASH F/8400' TO 8444' - 40' FLARE ON BTMS UP GAS |
| | 0:30 - 3:30 | 3.00 | DRLPRO | 02 | D | P | | DRILL/SLIDE F/8444' TO 8685' (241' @ 80fph) MW 11.4, VIS 40, WOB 20, RPM 35, MM RPM 100, TQ 7/8, SPM 98, GPM 480, PSI ON /OFF 2550/2925, PU 205, SO 175, ROT 187 (ROT 100%) |
| | 3:30 - 5:00 | 1.50 | DRLPRO | 05 | A | P | | CIRC |
| | 5:00 - 8:00 | 3.00 | DRLPRO | 06 | E | P | | WIPER TRIP - 15 STANDS TO 7335' |
| | 8:00 - 9:30 | 1.50 | DRLPRO | 05 | C | P | | CIRC |
| | 9:30 - 16:00 | 6.50 | DRLPRO | 06 | B | P | | POOH FOR LOGS - NO PROBLEMS ON POOH FOR LOGS - L/DN MM & BIT |
| | 16:00 - 16:30 | 0.50 | DRLPRO | 14 | B | P | | RETRIEVE WEARBUSHING |
| | 16:30 - 22:00 | 5.50 | DRLPRO | 11 | D | P | | HPJSM, R/UP BAKER ATLAS & RUN TRIPLE COMBO TO LOGGERS TD @ 8675' |
| | 22:00 - 0:00 | 2.00 | DRLPRO | 12 | C | P | | HPJSM, R/UP FRANKS & RUN 86 JTS 4.5" 11.60 I-80 LTC, 121 JTS 4.5" 11.60 I-80 DQX CASING - FLOAT SHOE 8665', FLOAT COLLAR 8620, MESA MKR 6489, XO 5034' |
| 12/9/2011 | 0:00 - 8:00 | 8.00 | CSG | 12 | C | P | | RUN 86 JTS 4.5" 11.60 I-80 LTC, 121 JTS 4.5" 11.60 I-80 DQX CASING - FLOAT SHOE 8665', FLOAT COLLAR 8620, MESA MKR 6489, XO 5034' |
| | 8:00 - 9:00 | 1.00 | CSG | 05 | D | P | | CIRC |

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: ENSIGN 146/146, PROPETRO 11/11

Event: DRILLING

Start Date: 10/19/2011

End Date: 12/9/2011

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|------|-------------------|------------------|-------|------|-------------|-----|-------------------|---|
| | 9:00 - 12:00 | 3.00 | CSG | 12 | E | P | | HPJSM, R/UP BJ & CEMENT 4.5" PROD CASING, TEST LINES 5000 PSI, PUMP 25 BBLS FRESH WATER, 433 SKS LEAD 11.9 PPG 2.36 YIELD, TAIL 1125 SKS 14.3 PPG, 1.31 YIELD, DROPPED PLUG & DISPLACED W/133 BBLS FRESH WATER W/0.1 gal/bbl CLAYFIX II & 0.01 gal/bbl ALDACIDE G @ 2381 PSI, BUMPED PLUG @ 2757 PSI - FLOATS HELD W/1.00 BBLS RETURN, GOOD RETURNS DURING CMT JOB W/25 BBLS SPACER WATER TO SURFACE WITH A TRACE OF CEMENT - R/DN BJ FLUSH OUT BOP - SET C-22 SLIPS W/90K STRING WT - WEATHERFORD VANN SCOTT |
| | 12:00 - 13:00 | 1.00 | CSG | 12 | C | P | | |
| | 13:00 - 16:00 | 3.00 | CSG | 14 | A | P | | N/DN BOPE, ROUGH CUT CASING, TRANSFER 1000' BBLS MUD TO UPRIGHT TANKS & PREMIX, CLEAN RIG TANKS, RELEASE RIG @ 16:00 |

1 General

1.1 Customer Information

| | |
|----------------|-------------------|
| Company | US ROCKIES REGION |
| Representative | |
| Address | |

1.2 Well/Wellbore Information

| | | | |
|--------------|---|---------------|--|
| Well | BONANZA 1023-6B RED | Wellbore No. | OH |
| Well Name | BONANZA 1023-6B | Wellbore Name | BONANZA 1023-6B |
| Report No. | 1 | Report Date | 2/1/2012 |
| Project | UTAH-UINTAH | Site | BONANZA 1023-6B PAD |
| Rig Name/No. | | Event | COMPLETION |
| Start Date | 2/1/2012 | End Date | 2/9/2012 |
| Spud Date | 11/11/2011 | Active Datum | RKB @5,236.01ft (above Mean Sea Level) |
| UWI | NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0 | | |

1.3 General

| | | | | | |
|---------------------|--|-----------------|--|------------|--|
| Contractor | | Job Method | | Supervisor | |
| Perforated Assembly | | Conveyed Method | | | |

1.4 Initial Conditions

| | | | |
|-------------------|---------|--------------------|--|
| Fluid Type | | Fluid Density | |
| Surface Press | | Estimate Res Press | |
| TVD Fluid Top | | Fluid Head | |
| Hydrostatic Press | | Press Difference | |
| Balance Cond | NEUTRAL | | |

1.5 Summary

| | | | |
|------------------|---------------------------|--------------------------|------------------|
| Gross Interval | 5,704.0 (ft)-8,393.0 (ft) | Start Date/Time | 2/6/2012 12:00AM |
| No. of Intervals | 41 | End Date/Time | 2/6/2012 12:00AM |
| Total Shots | 191 | Net Perforation Interval | 49.00 (ft) |
| Avg Shot Density | 3.90 (shot/ft) | Final Surface Pressure | |
| | | Final Press Date | |

2 Intervals

2.1 Perforated Interval

| Date | Formation/ Reservoir | CCL@ (ft) | CCL-T S (ft) | MD Top (ft) | MD Base (ft) | Shot Density (shot/ft) | Misfires/ Add. Shot | Diamete r (in) | Carr Type /Carr Manuf | Carr Size (in) | Phasing (°) | Charge Desc /Charge Manufacturer | Charge Weight (gram) | Reason | Misrun |
|---------------------|-------------------------|--------------|--------------------|----------------|-----------------|------------------------------|------------------------|----------------------|-----------------------|----------------------|----------------|-------------------------------------|----------------------------|----------------|--------|
| 2/6/2012 12:00AM | WASATCH/ | | | 5,704.0 | 5,705.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |

2.1 Perforated Interval (Continued)

| Date | Formation/ Reservoir | CCL@ (ft) | CCL-T S (ft) | MD Top (ft) | MD Base (ft) | Shot Density (shot/ft) | Misfires/ Add. Shot | Diameter (in) | Carr Type /Carr Manuf | Carr Size (in) | Phasing (°) | Charge Desc /Charge Manufacturer | Charge Weight (gram) | Reason | Misrun |
|---------------------|-------------------------|--------------|--------------------|----------------|-----------------|------------------------------|------------------------|------------------|-----------------------|----------------------|----------------|-------------------------------------|----------------------------|----------------|--------|
| 2/6/2012 12:00AM | WASATCH/ | | | 5,732.0 | 5,733.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | WASATCH/ | | | 5,778.0 | 5,779.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | WASATCH/ | | | 5,800.0 | 5,803.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | WASATCH/ | | | 5,871.0 | 5,872.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | WASATCH/ | | | 5,913.0 | 5,914.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | WASATCH/ | | | 5,933.0 | 5,935.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | WASATCH/ | | | 6,048.0 | 6,049.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | WASATCH/ | | | 6,069.0 | 6,070.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 6,997.0 | 6,998.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,051.0 | 7,053.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,202.0 | 7,204.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,232.0 | 7,233.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,290.0 | 7,291.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,319.0 | 7,320.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,352.0 | 7,353.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,393.0 | 7,394.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,414.0 | 7,415.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,459.0 | 7,460.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,696.0 | 7,697.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,713.0 | 7,714.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,737.0 | 7,738.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |

2.1 Perforated Interval (Continued)

| Date | Formation/ Reservoir | CCL@ (ft) | CCL-T S (ft) | MD Top (ft) | MD Base (ft) | Shot Density (shot/ft) | Misfires/ Add. Shot | Diamete r (in) | Carr Type /Carr Manuf | Carr Size (in) | Phasing (°) | Charge Desc /Charge Manufacturer | Charge Weight (gram) | Reason | Misrun |
|---------------------|-------------------------|--------------|--------------------|----------------|-----------------|------------------------------|------------------------|----------------------|-----------------------|----------------------|----------------|-------------------------------------|----------------------------|----------------|--------|
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,757.0 | 7,758.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,778.0 | 7,779.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,811.0 | 7,812.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,842.0 | 7,843.0 | 3.00 | | 0.360 | EXP/ | 3.375 | 120.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,896.0 | 7,898.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,920.0 | 7,921.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,952.0 | 7,953.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 7,976.0 | 7,977.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,015.0 | 8,016.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,064.0 | 8,065.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,101.0 | 8,102.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,182.0 | 8,183.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,197.0 | 8,198.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,241.0 | 8,243.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,318.0 | 8,319.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,340.0 | 8,341.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,359.0 | 8,360.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,378.0 | 8,380.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |
| 2/6/2012 12:00AM | MESAVERDE/ | | | 8,392.0 | 8,393.0 | 4.00 | | 0.360 | EXP/ | 3.375 | 90.00 | | 23.00 | PRODUCTIO N | |

3 Plots

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: MILES 3/3

Event: COMPLETION

Start Date: 2/1/2012

End Date: 2/9/2012

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|-----------|-------------------|------------------|-------|------|-------------|-----|-------------------|--|
| 1/13/2012 | - | | | | | | | |
| 1/17/2012 | - | | | | | | | |
| 2/1/2012 | 12:30 - 15:00 | 2.50 | COMP | 33 | | P | | FILL SURFACE CSG. MIRU B&C QUICK TEST. PSI TEST T/ 1000 PSI. HELD FOR 15 MIN LOST 24 PSI. PSI TEST T/ 3500 PSI. HELD FOR 15 MIN LOST 68 PSI. 1ST PSI TEST T/ 7000 PSI. HELD FOR 30 MIN LOST 151 PSI. 2ND PSI TEST T/ 7000 PSI. HELD FOR 30 MIN. LOST 71 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. MOVE T/ NEXT WELL. SWIFW |
| 2/3/2012 | 8:00 - 12:00 | 4.00 | COMP | 37 | | P | | PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER PERF DESIGN. POOH. SWIFW |
| 2/6/2012 | 7:00 - 8:00 | 1.00 | COMP | | | P | | HSM, REVIEW OPENING & CLOSING FRAC VALVES / PRESSURE TEST SURFACE LINES TO 8,000# |

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: MILES 3/3

Event: COMPLETION

Start Date: 2/1/2012

End Date: 2/9/2012

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|------|-------------------|------------------|-------|------|-------------|-----|-------------------|--|
| | 8:00 - 17:00 | 9.00 | COMP | 36 | B | P | | <p>PERF & FRAC FOLLOWING WELL AS PER DESIGN W/ 30/50 MESH SAND & SLK WTR. ALL CBP'S ARE HALIBURTON 8K CBP'S. REFER TO STIM PJR FOR FLUID, SAND AND CHEMICAL VOLUME PUMP'D</p> <p>FRAC STG #1] WHP=2,209#, BRK DN PERFS=4,875#, @=4.2 BPM, INJ RT=51.4, INJ PSI=4,231#, INITIAL ISIP=2,625#, INITIAL FG=.75, FINAL ISIP=2,542#, FINAL FG=.74, AVERAGE RATE=50.7, AVERAGE PRESSURE=4,482#, MAX RATE=51.8, MAX PRESSURE=6,459#, NET PRESSURE INCREASE=-83#, 24/24 100% CALC PERFS OPEN. X OVER TO WIRE LINE</p> <p>PERF STG #2] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=8,273', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW</p> <p>FRAC STG #2] WHP=2,324#, BRK DN PERFS=2,525#, @=4 BPM, INJ RT=46.7, INJ PSI=4,147#, INITIAL ISIP=2,382#, INITIAL FG=.73, FINAL ISIP=2,569#, FINAL FG=.75, AVERAGE RATE=46.1, AVERAGE PRESSURE=3,890#, MAX RATE=50, MAX PRESSURE=4,608#, NET PRESSURE INCREASE=187#, 24/24 100% CALC PERFS OPEN. X OVER TO WIRE LINE</p> <p>PERF STG #3] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=8,046', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW</p> <p>FRAC STG #3] WHP=2,373#, BRK DN PERFS=3,296#, @=4.2 BPM, INJ RT=51.1, INJ PSI=4,733#, INITIAL ISIP=2,609#, INITIAL FG=.77, FINAL ISIP=2,422#, FINAL FG=.74, AVERAGE RATE=51.5, AVERAGE PRESSURE=4,102#, MAX RATE=52, MAX PRESSURE=4,717#, NET PRESSURE INCREASE=-187#, 24/24 100% CALC PERFS OPEN. X OVER TO WIRE LINE</p> <p>PERF STG #4] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=7,873', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW.</p> <p>FRAC STG #4] WHP=2,074#, BRK DN PERFS=2,240#, @=4 BPM, INJ RT=49.8, INJ PSI=4,169#, INITIAL ISIP=2,100#, INITIAL FG=.71, FINAL ISIP=2,285#, FINAL FG=.72, AVERAGE RATE=50, AVERAGE PRESSURE=3,874#, MAX RATE=50.4, MAX PRESSURE=4,845#, NET PRESSURE INCREASE=185#, 23/23 100% CALC PERFS OPEN. X OVER TO WIRE LINE.</p> |

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: MILES 3/3

Event: COMPLETION

Start Date: 2/1/2012

End Date: 2/9/2012

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|----------|-------------------|------------------|-------|------|-------------|-----|-------------------|---|
| 2/7/2012 | 6:45 - 7:00 | 0.25 | COMP | 48 | | P | | PERF STG #5] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=7,490', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW SWIFN. HSM, SLIPS, TRIPS AND FALLS, FRAC VALVES |

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: MILES 3/3

Event: COMPLETION

Start Date: 2/1/2012

End Date: 2/9/2012

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|------|-------------------|------------------|-------|------|-------------|-----|-------------------|--|
| | 7:00 - 16:00 | 9.00 | COMP | 36 | B | P | | <p>FRAC STG #5] WHP=1,220#, BRK DN PERFS=4,021#, @=4.1 BPM, INJ RT=49.9, INJ PSI=4,581#, INITIAL ISIP=2,052#, INITIAL FG=.72, FINAL ISIP=2,439#, FINAL FG=.77, AVERAGE RATE=48.6, AVERAGE PRESSURE=3,839#, MAX RATE=50.6, MAX PRESSURE=4,625#, NET PRESSURE INCREASE=387#, 22/24 90% CALC PERFS OPEN. X OVER TO WIRE LINE</p> <p>PERF STG #6] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=7,263', PERF MESAVERDE USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW</p> <p>FRAC STG #6] WHP=908#, BRK DN PERFS=3,333#, @=4.1 BPM, INJ RT=49.6, INJ PSI=4,806#, INITIAL ISIP=1,953#, INITIAL FG=.71, FINAL ISIP=2,500#, FINAL FG=.79, AVERAGE RATE=49.7, AVERAGE PRESSURE=4,685#, MAX RATE=50, MAX PRESSURE=5,148#, NET PRESSURE INCREASE=537#, 20/24 81% CALC PERFS OPEN. X OVER TO WIRE LINE</p> <p>PERF STG #7] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=6,100', PERF WASATCH USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW</p> <p>FRAC STG #7] WHP=855#, BRK DN PERFS=1,933#, @=4 BPM, INJ RT=49.6, INJ PSI=3,176#, INITIAL ISIP=1,272#, INITIAL FG=.65, FINAL ISIP=1,531#, FINAL FG=.70, AVERAGE RATE=50.8, AVERAGE PRESSURE=2,854#, MAX RATE=51.3, MAX PRESSURE=3,212#, NET PRESSURE INCREASE=259#, 24/24 100% CALC PERFS OPEN. X OVER TO WIRE LINE</p> <p>PERF STG #8] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN, SET CBP @=5,833', PERF WASATCH USING 3-1/8 EXPEND, 23 GRM, 0.36" HOLE. AS PERSAY IN PROCEDURE, X OVER TO FRAC CREW</p> <p>FRAC STG #8] WHP=1,258#, BRK DN PERFS=1,402#, @=3.8 BPM, INJ RT=50.8, INJ PSI=4,928#, INITIAL ISIP=1,250#, INITIAL FG=.66, FINAL ISIP=1,611#, FINAL FG=.72, AVERAGE RATE=51, AVERAGE PRESSURE=2,819#, MAX RATE=51.3, MAX PRESSURE=3,106#, NET PRESSURE INCREASE=361#, 24/24 100% CALC PERFS OPEN. X OVER TO WIRE LINE</p> <p>P/U RIH W/ BEAR CLAW 8K CBP, SET FOR TOP KILL @=5,654</p> <p>TOTAL FLUID PUMP'D=8,109 BBLS TOTAL SAND PUMP'D=190,549#</p> |

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: MILES 3/3

Event: COMPLETION

Start Date: 2/1/2012

End Date: 2/9/2012

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|---|-------------------|------------------|-------|------|-------------|-----|-------------------|---|
| 2/8/2012 | 7:00 - 7:15 | 0.25 | COMP | 48 | | P | | JSA- ROAD RIG. RUSU. PU TBG. |
| | 7:15 - 10:30 | 3.25 | COMP | 30 | A | P | | ROAD RIG FROM NBU 921-190 PAD TO LOCATION. SPOT AND RUSU. SPOT EQUIP. ND WH. NU BOP. RU FLOOR AND TBG EQUIP. SPOT TBG. |
| | 10:30 - 14:00 | 3.50 | COMP | 31 | I | P | | MU 3-7/8" BIT, POBS, AND 1.87" XN. RIH AS MEAS AND PU 2-3/8" L-80 TBG. TAG AT 5667' W/ # 179. RU DRLG EQUIP. FILL TBG AND PRES TEST TO 3000#. GOOD. EST CIRC AND D/O PLUGS. |
| | 14:00 - 16:30 | 2.50 | COMP | 44 | C | P | | EST CIRC AND D/O PLUGS. KILL PLUG IS A TEST ON BEAR CLAW PLUGS. |
| <p>#1- C/O 5' SAND TO CBP AT 5670'. D/O IN 7 MIN. 300# INC. 0# CP. (PLUG WAS TORQUEY AND BOUNCY AS DRILLING TO GET MOVING.)</p> <p>#2- C/O 20' SAND TO CBP AT 5833'. D/O IN 3 MIN. 0# INC. 0# CP. RIH.</p> <p>#3- C/O 30' SAND TO CBP AT 6100'. D/O IN 6 MIN. 200# INC. 0-100# CP. RIH 1 JT. CIRC AND FLOW CLEAN. HAVE 194-JTS IN. EOT 6156'. DRAIN EQUIP. SDFN</p> | | | | | | | | |
| 2/9/2012 | 7:00 - 7:15 | 0.25 | COMP | 48 | | P | | JSA- D/O PLUGS. PWR SWIVEL. LD TBG. LANDING HANGER. |
| | 7:15 - 12:00 | 4.75 | COMP | 44 | C | P | | SITP 0, SICP 350. BWD TO PIT. CONT RIH AS D/O PLUGS. |
| <p>#4- C/O 12' SAND TO CBP AT 7260'. D/O IN 7 MIN. 400# INC. 0-400# FCP. RIH.</p> <p>#5- C/O 40' SAND TO CBP AT 7490'. D/O IN 7 MIN. 600# INC. 300-600# FCP. RIH.</p> <p>#6- C/O 25' SAND TO CBP AT 7873'. D/O IN 5 MIN. 500# INC. 400-600# FCP. RIH.</p> <p>#7- C/O 30' SAND TO CBP AT 8046'. D/O IN 6 MIN. 400# INC. 500-700# FCP. RIH.</p> <p>#8- C/O 35' SAND TO CBP AT 8273'. D/O IN 3 MIN. 300# INC. 600-800# FCP. RIH.</p> <p>PBTD AT 8620', BTM PERF AT 8393'. C/O 0' SAND TO 8518' W/ 269-JTS IN (125' RATHOLE). CIRC CLEAN.</p> <p>RD PWR SWIVEL. POOH AS LD 16-JTS. PU 4" 10K HANGER. LUB IN AND LAND 253-JTS 2-3/8" L-80 TBG W/ EOT AT 8024.77'. RD FLOOR. ND BOP. NU WH. HOOK UP FLOW LINES. POBS AT 2000#. PRES TEST LINES TO 3000# W/ RIG PMP. TURN WELL OVER TO FBC AND SALES. RDSU. MOVE OVER.</p> <p>TBG DETAIL KB 14.00 4" 10K HANGER .83 253-JTS 2-3/8" L-80 8007.74 1.87" XN POBS 2.20 EOT 8024.77</p> <p>283-JTS DELIVERED, 30-JTS RETURNED.</p> <p>TWTR 8109, TWR 1500, LTR 6609.</p> | | | | | | | | |

US ROCKIES REGION
Operation Summary Report

Well: BONANZA 1023-6B RED

Spud Date: 11/11/2011

Project: UTAH-UINTAH

Site: BONANZA 1023-6B PAD

Rig Name No: MILES 3/3

Event: COMPLETION

Start Date: 2/1/2012

End Date: 2/9/2012

Active Datum: RKB @5,236.00usft (above Mean Sea Level)

UWI: NW/NE/0/10/S/23/E/6/0/0/26/PM/N/402.00/E/0/2,519.00/0/0

| Date | Time Start-End | Duration (hr) | Phase | Code | Sub Code | P/U | MD From (usft) | Operation |
|------|-------------------|------------------|-------|------|-------------|-----|-------------------|--|
| | 12:05 - | | PROD | 50 | | | | WELL TURNED TO SALES @ 12:05 HR ON 2/9/2012 - 1110 MCFD, 2040 BWPD, FCP 1983#, FTP 1860#, 20/64 CK |

Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: UINTAH BONANZA 1023-6B PAD
Well: BONANZA 1023-6B
Wellbore: BONANZA 1023-6B
Section:
SHL:
Design: BONANZA 1023-6B
Latitude: 39.984173
Longitude: -109.368435
GL: 5222.00
KB: 14' rkb + 5222' gl @ 5236.00ft (ensign 146)

FORMATION TOP DETAILS

| | | |
|---------|---------|----------------|
| TVDPth | MDPath | Formation |
| 4345.00 | 4345.48 | Top Wasatch: |
| 6508.00 | 6508.49 | Top Mesaverde: |
| 8676.00 | 8676.50 | Top Sego: |

WELL DETAILS: BONANZA 1023-6B

| | | | | | | |
|-------|-------|-------------|---------------|------------|-------------|------|
| +N/-S | +E/-W | Northing | Ground Level: | 5222.00 | Longitude | Slot |
| 0.00 | 0.00 | 14524463.43 | Easting | 2097466.36 | -109.368435 | |
| | | | Latitude | 39.984173 | | |

CASING DETAILS

| | | | |
|---------|---------|-------|-------|
| TVD | MD | Name | Size |
| 2342.49 | 2342.72 | 8-5/8 | 8-5/8 |



Azimuths to True North
Magnetic North: 10.97°

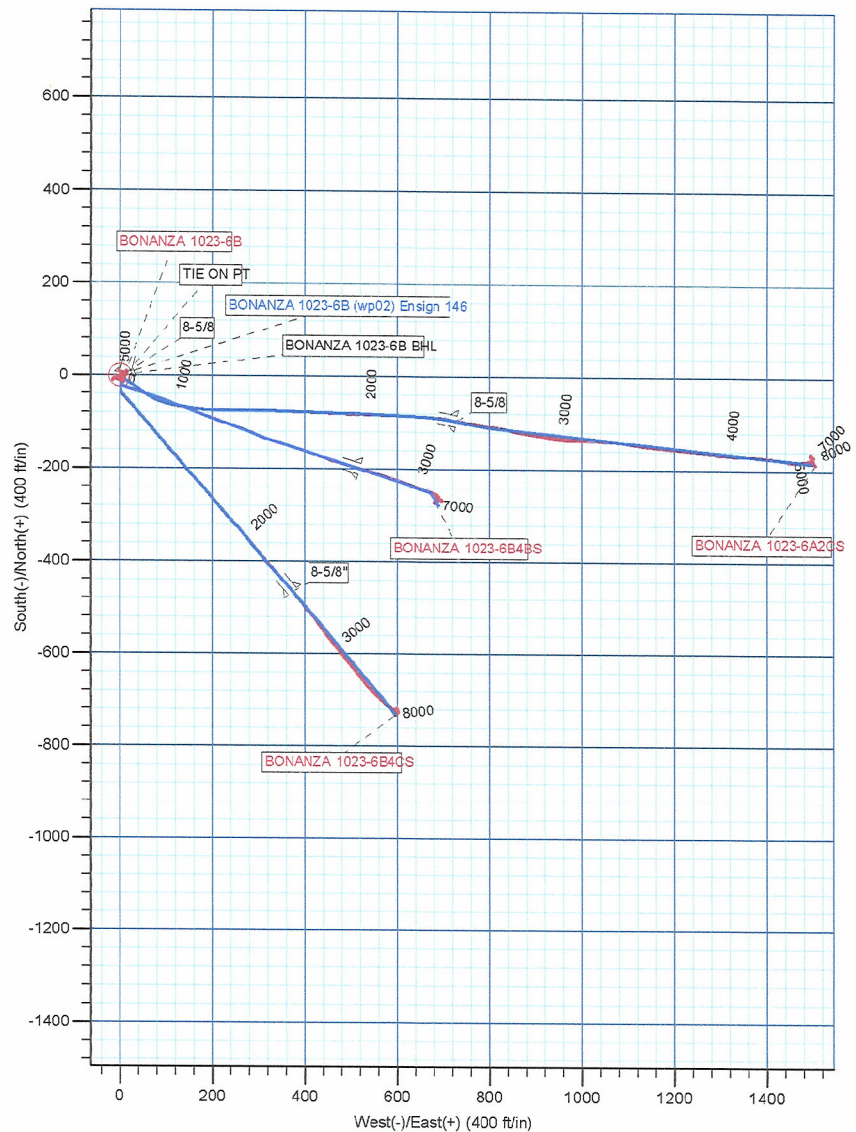
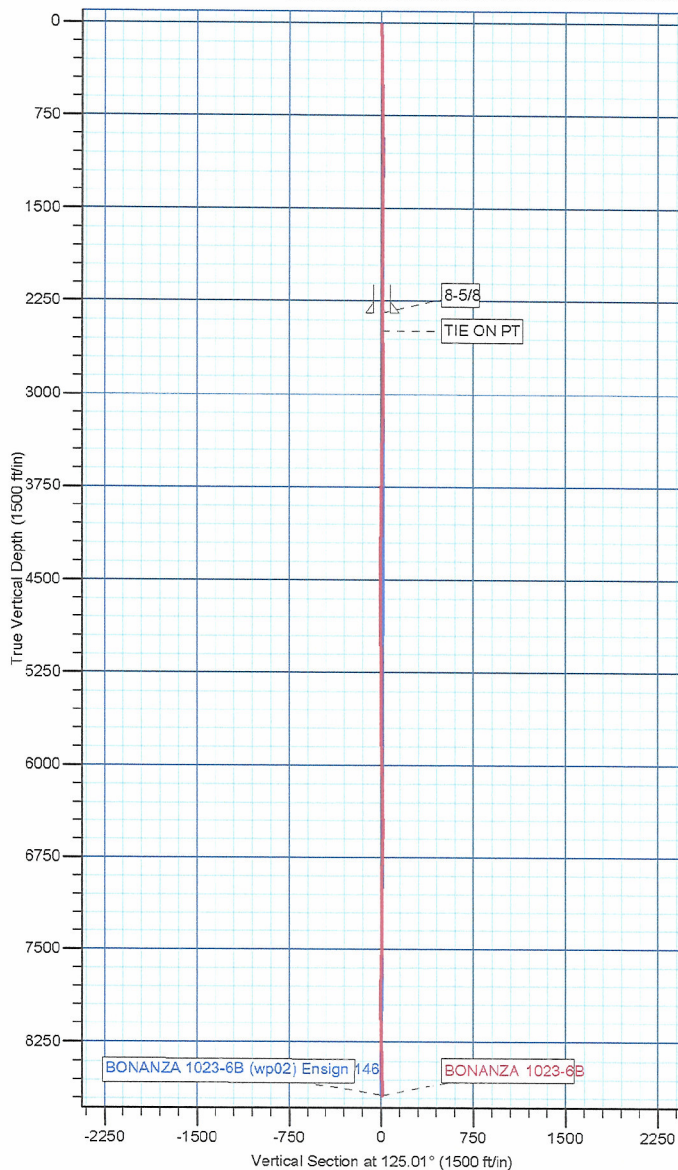
Magnetic Field
Strength: 52298.8nT
Dip Angle: 65.87°
Date: 11/1/2011
Model: USER DEFINED

DESIGN TARGET DETAILS

| | | | | | | | | |
|---------------------|---------|-------|-------|-------------|------------|-----------|-------------|------------------------|
| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Shape |
| BONANZA 1023-6B BHL | 8676.00 | 0.00 | 0.00 | 14524463.43 | 2097466.36 | 39.984173 | -109.368435 | Circle (Radius: 25.00) |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect |
|---------|------|--------|---------|--------|-------|------|--------|--------|
| 2471.00 | 1.86 | 192.00 | 2470.72 | -0.22 | 10.11 | 0.00 | 0.00 | -10.11 |
| 2621.00 | 1.86 | 192.00 | 2620.64 | -4.98 | 9.10 | 0.00 | 0.00 | -9.33 |
| 3287.91 | 0.17 | 336.25 | 3287.43 | -14.66 | 6.45 | 0.30 | 177.15 | -7.16 |
| 8676.50 | 0.17 | 336.25 | 8676.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |



Anadarko Petroleum Corp

Survey Report

| | | | |
|------------------|------------------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well BONANZA 1023-6B |
| Project: | UTAH - UTM (feet), NAD27, Zone 12N | TVD Reference: | 14' rkb + 5222' gl @ 5236.00ft (ensign 146) |
| Site: | UINTAH_BONANZA 1023-6B PAD | MD Reference: | 14' rkb + 5222' gl @ 5236.00ft (ensign 146) |
| Well: | BONANZA 1023-6B | North Reference: | True |
| Wellbore: | BONANZA 1023-6B | Survey Calculation Method: | Minimum Curvature |
| Design: | BONANZA 1023-6B | Database: | edmp |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | UTAH - UTM (feet), NAD27, Zone 12N | | |
| Map System: | Universal Transverse Mercator (US Survey Feet) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Zone 12N (114 W to 108 W) | | |

| | | | | | |
|------------------------------|----------------------------|---------------------|--------------------|--------------------------|-------------|
| Site | UINTAH_BONANZA 1023-6B PAD | | | | |
| Site Position: | | Northing: | 14,524,463.43 usft | Latitude: | 39.984173 |
| From: | Lat/Long | Easting: | 2,097,466.36 usft | Longitude: | -109.368435 |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16 " | Grid Convergence: | 1.05 ° |

| | | | | | | |
|-----------------------------|-----------------|---------|----------------------------|--------------------|----------------------|-------------|
| Well | BONANZA 1023-6B | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 14,524,463.43 usft | Latitude: | 39.984173 |
| | +E/-W | 0.00 ft | Easting: | 2,097,466.36 usft | Longitude: | -109.368435 |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 5,222.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| Wellbore | BONANZA 1023-6B | | | | |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
| | User Defined | 11/1/2011 | (°) | (°) | (nT) |
| | | | 10.97 | 65.87 | 52,299 |

| | | | | | |
|--------------------------|-------------------------|---------------|--------------|----------------------|-------|
| Design | BONANZA 1023-6B | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 10.00 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction | |
| | (ft) | (ft) | (ft) | (°) | |
| | 10.00 | 0.00 | 0.00 | 125.01 | |

| | | | | | |
|-----------------------|-------------|-----------------------------|------------------|--------------------|--|
| Survey Program | Date | 12/29/2011 | | | |
| From | To | Survey (Wellbore) | Tool Name | Description | |
| 184.00 | 2,471.00 | Survey #1 (BONANZA 1023-6B) | MWD | MWD - Standard | |
| 2,535.00 | 8,685.00 | Survey #2 (BONANZA 1023-6B) | MWD | MWD - Standard | |

| | | | | | | | | | | |
|-----------------------|--------------------|----------------|-----------------------|--------------|--------------|-------------------------|--------------------|-------------------|------------------|--|
| Survey | | | | | | | | | | |
| Measured Depth | Inclination | Azimuth | Vertical Depth | +N/-S | +E/-W | Vertical Section | Dogleg Rate | Build Rate | Turn Rate | |
| (ft) | (°) | (°) | (ft) | (ft) | (ft) | (ft) | (°/100usft) | (°/100usft) | (°/100usft) | |
| 10.00 | 0.00 | 0.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 184.00 | 0.82 | 109.25 | 183.99 | -0.41 | 1.18 | 1.20 | 0.47 | 0.47 | 0.00 | |
| 270.00 | 1.12 | 101.57 | 269.98 | -0.78 | 2.58 | 2.56 | 0.38 | 0.35 | -8.93 | |
| 350.00 | 0.94 | 91.13 | 349.97 | -0.95 | 4.00 | 3.82 | 0.32 | -0.23 | -13.05 | |
| 650.00 | 1.44 | 61.88 | 649.91 | 0.78 | 9.79 | 7.57 | 0.26 | 0.17 | -9.75 | |
| 950.00 | 0.56 | 20.00 | 949.86 | 3.93 | 13.61 | 8.90 | 0.36 | -0.29 | -13.96 | |
| 1,250.00 | 0.44 | 7.75 | 1,249.85 | 6.45 | 14.27 | 7.99 | 0.05 | -0.04 | -4.08 | |
| 1,550.00 | 0.31 | 332.13 | 1,549.84 | 8.31 | 14.05 | 6.74 | 0.09 | -0.04 | -11.87 | |
| 1,850.00 | 0.31 | 327.38 | 1,849.84 | 9.71 | 13.23 | 5.27 | 0.01 | 0.00 | -1.58 | |
| 2,150.00 | 1.06 | 196.13 | 2,149.82 | 7.73 | 12.02 | 5.41 | 0.43 | 0.25 | -43.75 | |

Anadarko Petroleum Corp

Survey Report

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: UINTAH_BONANZA 1023-6B PAD
Well: BONANZA 1023-6B
Wellbore: BONANZA 1023-6B
Design: BONANZA 1023-6B

Local Co-ordinate Reference: Well BONANZA 1023-6B
TVD Reference: 14' rkb + 5222' gl @ 5236.00ft (ensign 146)
MD Reference: 14' rkb + 5222' gl @ 5236.00ft (ensign 146)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: edmp

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| 2,471.00 | 1.86 | 192.00 | 2,470.72 | -0.22 | 10.11 | 8.41 | 0.25 | 0.25 | -1.29 |
| 2,535.00 | 1.98 | 193.47 | 2,534.68 | -2.31 | 9.64 | 9.22 | 0.20 | 0.19 | 2.30 |
| 2,626.00 | 1.99 | 190.52 | 2,625.63 | -5.39 | 8.98 | 10.45 | 0.11 | 0.01 | -3.24 |
| 2,717.00 | 2.07 | 188.95 | 2,716.57 | -8.57 | 8.44 | 11.83 | 0.11 | 0.09 | -1.73 |
| 2,807.00 | 1.56 | 193.38 | 2,806.52 | -11.37 | 7.90 | 13.00 | 0.59 | -0.57 | 4.92 |
| 2,898.00 | 0.88 | 193.63 | 2,897.50 | -13.25 | 7.45 | 13.71 | 0.75 | -0.75 | 0.27 |
| 2,989.00 | 0.88 | 239.00 | 2,988.49 | -14.29 | 6.69 | 13.68 | 0.75 | 0.00 | 49.86 |
| 3,079.00 | 0.81 | 286.00 | 3,078.48 | -14.47 | 5.48 | 12.79 | 0.75 | -0.08 | 52.22 |
| 3,170.00 | 1.50 | 320.50 | 3,169.47 | -13.38 | 4.11 | 11.04 | 1.04 | 0.76 | 37.91 |
| 3,261.00 | 2.25 | 334.00 | 3,260.42 | -10.85 | 2.57 | 8.33 | 0.95 | 0.82 | 14.84 |
| 3,351.00 | 1.50 | 315.00 | 3,350.37 | -8.43 | 0.96 | 5.62 | 1.07 | -0.83 | -21.11 |
| 3,442.00 | 0.81 | 270.63 | 3,441.35 | -7.58 | -0.52 | 3.92 | 1.19 | -0.76 | -48.76 |
| 3,533.00 | 0.88 | 244.38 | 3,532.34 | -7.88 | -1.80 | 3.05 | 0.43 | 0.08 | -28.85 |
| 3,623.00 | 1.25 | 236.00 | 3,622.33 | -8.72 | -3.24 | 2.35 | 0.44 | 0.41 | -9.31 |
| 3,714.00 | 0.69 | 247.75 | 3,713.31 | -9.49 | -4.57 | 1.70 | 0.65 | -0.62 | 12.91 |
| 3,805.00 | 1.00 | 292.38 | 3,804.30 | -9.39 | -5.81 | 0.63 | 0.77 | 0.34 | 49.04 |
| 3,895.00 | 1.44 | 301.50 | 3,894.28 | -8.50 | -7.50 | -1.26 | 0.53 | 0.49 | 10.13 |
| 3,986.00 | 1.44 | 269.38 | 3,985.26 | -7.92 | -9.62 | -3.33 | 0.88 | 0.00 | -35.30 |
| 4,076.00 | 1.31 | 274.38 | 4,075.23 | -7.85 | -11.77 | -5.14 | 0.20 | -0.14 | 5.56 |
| 4,167.00 | 1.00 | 240.88 | 4,166.21 | -8.16 | -13.50 | -6.38 | 0.80 | -0.34 | -36.81 |
| 4,258.00 | 1.13 | 215.88 | 4,257.20 | -9.27 | -14.72 | -6.74 | 0.53 | 0.14 | -27.47 |
| 4,349.00 | 0.88 | 219.75 | 4,348.18 | -10.53 | -15.70 | -6.81 | 0.28 | -0.27 | 4.25 |
| 4,439.00 | 0.50 | 24.13 | 4,438.18 | -10.71 | -15.98 | -6.94 | 1.52 | -0.42 | 182.64 |
| 4,530.00 | 1.56 | 13.00 | 4,529.16 | -9.14 | -15.54 | -7.48 | 1.18 | 1.16 | -12.23 |
| 4,621.00 | 1.06 | 17.63 | 4,620.14 | -7.13 | -15.00 | -8.20 | 0.56 | -0.55 | 5.09 |
| 4,711.00 | 0.94 | 41.25 | 4,710.13 | -5.78 | -14.26 | -8.37 | 0.47 | -0.13 | 26.24 |
| 4,802.00 | 0.69 | 73.88 | 4,801.12 | -5.07 | -13.24 | -7.94 | 0.57 | -0.27 | 35.86 |
| 4,892.00 | 0.81 | 83.13 | 4,891.11 | -4.84 | -12.09 | -7.13 | 0.19 | 0.13 | 10.28 |
| 4,983.00 | 0.81 | 90.38 | 4,982.10 | -4.77 | -10.81 | -6.12 | 0.11 | 0.00 | 7.97 |
| 5,074.00 | 0.63 | 97.00 | 5,073.09 | -4.83 | -9.67 | -5.15 | 0.22 | -0.20 | 7.27 |
| 5,164.00 | 0.69 | 135.75 | 5,163.09 | -5.28 | -8.80 | -4.18 | 0.49 | 0.07 | 43.06 |
| 5,255.00 | 0.88 | 79.13 | 5,254.08 | -5.54 | -7.73 | -3.15 | 0.84 | 0.21 | -62.22 |
| 5,345.00 | 0.75 | 57.63 | 5,344.07 | -5.10 | -6.56 | -2.45 | 0.37 | -0.14 | -23.89 |
| 5,436.00 | 1.25 | 28.75 | 5,435.06 | -3.91 | -5.58 | -2.33 | 0.76 | 0.55 | -31.74 |
| 5,527.00 | 1.19 | 21.38 | 5,526.04 | -2.16 | -4.75 | -2.66 | 0.18 | -0.07 | -8.10 |
| 5,617.00 | 1.00 | 53.25 | 5,616.02 | -0.82 | -3.78 | -2.63 | 0.70 | -0.21 | 35.41 |
| 5,708.00 | 0.88 | 91.13 | 5,707.01 | -0.36 | -2.45 | -1.80 | 0.68 | -0.13 | 41.63 |
| 5,799.00 | 1.00 | 106.25 | 5,798.00 | -0.59 | -0.99 | -0.47 | 0.30 | 0.13 | 16.62 |
| 5,889.00 | 1.06 | 106.50 | 5,887.98 | -1.05 | 0.56 | 1.06 | 0.07 | 0.07 | 0.28 |
| 5,980.00 | 0.75 | 122.38 | 5,978.97 | -1.61 | 1.87 | 2.46 | 0.44 | -0.34 | 17.45 |
| 6,071.00 | 1.06 | 141.13 | 6,069.96 | -2.58 | 2.91 | 3.86 | 0.47 | 0.34 | 20.60 |
| 6,161.00 | 1.19 | 130.00 | 6,159.94 | -3.83 | 4.14 | 5.59 | 0.28 | 0.14 | -12.37 |
| 6,252.00 | 1.69 | 125.50 | 6,250.92 | -5.22 | 5.96 | 7.87 | 0.56 | 0.55 | -4.95 |

Anadarko Petroleum Corp

Survey Report

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: UINTAH_BONANZA 1023-6B PAD
Well: BONANZA 1023-6B
Wellbore: BONANZA 1023-6B
Design: BONANZA 1023-6B

Local Co-ordinate Reference: Well BONANZA 1023-6B
TVD Reference: 14' rkb + 5222' gl @ 5236.00ft (ensign 146)
MD Reference: 14' rkb + 5222' gl @ 5236.00ft (ensign 146)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: edmp

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| 6,343.00 | 0.75 | 103.38 | 6,341.89 | -6.13 | 7.63 | 9.77 | 1.14 | -1.03 | -24.31 |
| 6,433.00 | 0.38 | 72.88 | 6,431.89 | -6.18 | 8.49 | 10.50 | 0.52 | -0.41 | -33.89 |
| 6,524.00 | 0.56 | 95.50 | 6,522.89 | -6.14 | 9.22 | 11.07 | 0.28 | 0.20 | 24.86 |
| 6,615.00 | 0.81 | 24.50 | 6,613.88 | -5.59 | 9.93 | 11.34 | 0.90 | 0.27 | -78.02 |
| 6,705.00 | 1.75 | 339.88 | 6,703.86 | -3.72 | 9.72 | 10.10 | 1.45 | 1.04 | -49.58 |
| 6,796.00 | 2.43 | 334.94 | 6,794.80 | -0.67 | 8.43 | 7.29 | 0.77 | 0.75 | -5.43 |
| 6,886.00 | 2.06 | 338.13 | 6,884.73 | 2.56 | 7.02 | 4.28 | 0.43 | -0.41 | 3.54 |
| 6,977.00 | 1.19 | 347.38 | 6,975.69 | 5.00 | 6.20 | 2.21 | 1.00 | -0.96 | 10.16 |
| 7,068.00 | 0.81 | 346.38 | 7,066.68 | 6.55 | 5.84 | 1.03 | 0.42 | -0.42 | -1.10 |
| 7,158.00 | 0.06 | 240.38 | 7,156.68 | 7.14 | 5.65 | 0.53 | 0.92 | -0.83 | -117.78 |
| 7,249.00 | 0.63 | 176.88 | 7,247.67 | 6.62 | 5.64 | 0.82 | 0.67 | 0.63 | -69.78 |
| 7,340.00 | 0.44 | 154.00 | 7,338.67 | 5.80 | 5.82 | 1.44 | 0.31 | -0.21 | -25.14 |
| 7,430.00 | 0.81 | 302.00 | 7,428.67 | 5.83 | 5.43 | 1.10 | 1.34 | 0.41 | 164.44 |
| 7,521.00 | 0.63 | 275.63 | 7,519.66 | 6.22 | 4.39 | 0.02 | 0.41 | -0.20 | -28.98 |
| 7,612.00 | 1.56 | 300.25 | 7,610.64 | 6.89 | 2.82 | -1.65 | 1.12 | 1.02 | 27.05 |
| 7,702.00 | 1.69 | 297.25 | 7,700.61 | 8.12 | 0.58 | -4.18 | 0.17 | 0.14 | -3.33 |
| 7,793.00 | 1.44 | 325.38 | 7,791.57 | 9.67 | -1.26 | -6.58 | 0.88 | -0.27 | 30.91 |
| 7,883.00 | 0.38 | 296.50 | 7,881.56 | 10.74 | -2.17 | -7.94 | 1.25 | -1.18 | -32.09 |
| 7,974.00 | 0.31 | 143.13 | 7,972.56 | 10.67 | -2.29 | -8.00 | 0.74 | -0.08 | -168.54 |
| 8,065.00 | 0.56 | 126.13 | 8,063.56 | 10.22 | -1.79 | -7.32 | 0.31 | 0.27 | -18.68 |
| 8,155.00 | 1.19 | 137.75 | 8,153.55 | 9.26 | -0.80 | -5.97 | 0.72 | 0.70 | 12.91 |
| 8,246.00 | 1.88 | 146.38 | 8,244.52 | 7.32 | 0.66 | -3.66 | 0.80 | 0.76 | 9.48 |
| 8,337.00 | 1.50 | 155.38 | 8,335.48 | 5.00 | 1.98 | -1.24 | 0.51 | -0.42 | 9.89 |
| 8,427.00 | 1.56 | 155.88 | 8,425.44 | 2.81 | 2.97 | 0.82 | 0.07 | 0.07 | 0.56 |
| 8,518.00 | 1.81 | 150.25 | 8,516.40 | 0.43 | 4.19 | 3.19 | 0.33 | 0.27 | -6.19 |
| 8,609.00 | 2.31 | 149.38 | 8,607.34 | -2.40 | 5.84 | 6.16 | 0.55 | 0.55 | -0.96 |
| 8,635.00 | 2.22 | 153.65 | 8,633.32 | -3.30 | 6.33 | 7.08 | 0.74 | -0.35 | 16.42 |
| 8,685.00 | 2.22 | 153.65 | 8,683.29 | -5.03 | 7.19 | 8.78 | 0.00 | 0.00 | 0.00 |

Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | Comment |
|---------------------|---------------------|-------------------|------------|------------|
| | | +N/-S (ft) | +E/-W (ft) | |
| 2,471.00 | 2,470.72 | -0.22 | 10.11 | TIE ON PT |
| 8,635.00 | 8,633.32 | -3.30 | 6.33 | LAST SVY |
| 8,685.00 | 8,683.29 | -5.03 | 7.19 | PROJECTION |

Checked By: _____ Approved By: _____ Date: _____

US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N

UINTAH_BONANZA 1023-6B PAD

BONANZA 1023-6B

BONANZA 1023-6B

Design: BONANZA 1023-6B

Survey Report - Geographic

29 December, 2011

Anadarko Petroleum Corp

Survey Report - Geographic

| | | | |
|------------------|------------------------------------|-------------------------------------|---|
| Company: | US ROCKIES REGION PLANNING | Local Co-ordinate Reference: | Well BONANZA 1023-6B |
| Project: | UTAH - UTM (feet), NAD27, Zone 12N | TVD Reference: | 14' rkb + 5222' gl @ 5236.00ft (ensign 146) |
| Site: | UINTAH_BONANZA 1023-6B PAD | MD Reference: | 14' rkb + 5222' gl @ 5236.00ft (ensign 146) |
| Well: | BONANZA 1023-6B | North Reference: | True |
| Wellbore: | BONANZA 1023-6B | Survey Calculation Method: | Minimum Curvature |
| Design: | BONANZA 1023-6B | Database: | edmp |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | UTAH - UTM (feet), NAD27, Zone 12N | | |
| Map System: | Universal Transverse Mercator (US Survey Feet) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 (NADCON CONUS) | | |
| Map Zone: | Zone 12N (114 W to 108 W) | | |

| | | | | | |
|------------------------------|----------------------------|---------------------|--------------------|--------------------------|-------------|
| Site | UINTAH_BONANZA 1023-6B PAD | | | | |
| Site Position: | | Northing: | 14,524,463.43 usft | Latitude: | 39.984173 |
| From: | Lat/Long | Easting: | 2,097,466.36 usft | Longitude: | -109.368435 |
| Position Uncertainty: | 0.00 ft | Slot Radius: | 13-3/16 " | Grid Convergence: | 1.05 ° |

| | | | | | | |
|-----------------------------|-----------------|---------|----------------------------|--------------------|----------------------|-------------|
| Well | BONANZA 1023-6B | | | | | |
| Well Position | +N/-S | 0.00 ft | Northing: | 14,524,463.43 usft | Latitude: | 39.984173 |
| | +E/-W | 0.00 ft | Easting: | 2,097,466.36 usft | Longitude: | -109.368435 |
| Position Uncertainty | | 0.00 ft | Wellhead Elevation: | ft | Ground Level: | 5,222.00 ft |

| | | | | | |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| Wellbore | BONANZA 1023-6B | | | | |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
| | User Defined | 11/1/2011 | (°) | (°) | (nT) |
| | | | 10.97 | 65.87 | 52,299 |

| | | | | | |
|--------------------------|-------------------------|---------------|--------------|----------------------|-------|
| Design | BONANZA 1023-6B | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 10.00 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction | |
| | (ft) | (ft) | (ft) | (°) | |
| | 10.00 | 0.00 | 0.00 | 125.01 | |

| | | | | | |
|-----------------------|-------------|-----------------------------|------------------|--------------------|--|
| Survey Program | Date | 12/29/2011 | | | |
| From | To | Survey (Wellbore) | Tool Name | Description | |
| (ft) | (ft) | | | | |
| 184.00 | 2,471.00 | Survey #1 (BONANZA 1023-6B) | MWD | MWD - Standard | |
| 2,535.00 | 8,685.00 | Survey #2 (BONANZA 1023-6B) | MWD | MWD - Standard | |

| | | | | | | | | | |
|-----------------|--------------------|----------------|-----------------|--------------|--------------|-----------------|----------------|-----------------|------------------|
| Survey | | | | | | | | | |
| Measured | Inclination | Azimuth | Vertical | +N/-S | +E/-W | Map | Map | Latitude | Longitude |
| Depth | (°) | (°) | Depth | (ft) | (ft) | Northing | Easting | | |
| (ft) | | | (ft) | | | (usft) | (usft) | | |
| 10.00 | 0.00 | 0.00 | 10.00 | 0.00 | 0.00 | 14,524,463.43 | 2,097,466.36 | 39.984173 | -109.368435 |
| 184.00 | 0.82 | 109.25 | 183.99 | -0.41 | 1.18 | 14,524,463.04 | 2,097,467.54 | 39.984172 | -109.368431 |
| 270.00 | 1.12 | 101.57 | 269.98 | -0.78 | 2.58 | 14,524,462.70 | 2,097,468.95 | 39.984171 | -109.368426 |
| 350.00 | 0.94 | 91.13 | 349.97 | -0.95 | 4.00 | 14,524,462.55 | 2,097,470.38 | 39.984170 | -109.368421 |
| 650.00 | 1.44 | 61.88 | 649.91 | 0.78 | 9.79 | 14,524,464.39 | 2,097,476.13 | 39.984175 | -109.368400 |
| 950.00 | 0.56 | 20.00 | 949.86 | 3.93 | 13.61 | 14,524,467.61 | 2,097,479.90 | 39.984184 | -109.368387 |
| 1,250.00 | 0.44 | 7.75 | 1,249.85 | 6.45 | 14.27 | 14,524,470.14 | 2,097,480.51 | 39.984191 | -109.368384 |
| 1,550.00 | 0.31 | 332.13 | 1,549.84 | 8.31 | 14.05 | 14,524,472.00 | 2,097,480.25 | 39.984196 | -109.368385 |
| 1,850.00 | 0.31 | 327.38 | 1,849.84 | 9.71 | 13.23 | 14,524,473.38 | 2,097,479.41 | 39.984200 | -109.368388 |
| 2,150.00 | 1.06 | 196.13 | 2,149.82 | 7.73 | 12.02 | 14,524,471.38 | 2,097,478.24 | 39.984194 | -109.368392 |
| 2,471.00 | 1.86 | 192.00 | 2,470.72 | -0.22 | 10.11 | 14,524,463.40 | 2,097,476.47 | 39.984172 | -109.368399 |

Anadarko Petroleum Corp

Survey Report - Geographic

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: UINTAH_BONANZA 1023-6B PAD
Well: BONANZA 1023-6B
Wellbore: BONANZA 1023-6B
Design: BONANZA 1023-6B

Local Co-ordinate Reference: Well BONANZA 1023-6B
TVD Reference: 14' rkb + 5222' gl @ 5236.00ft (ensign 146)
MD Reference: 14' rkb + 5222' gl @ 5236.00ft (ensign 146)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: edmp

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| 2,535.00 | 1.98 | 193.47 | 2,534.68 | -2.31 | 9.64 | 14,524,461.30 | 2,097,476.04 | 39.984167 | -109.368401 |
| 2,626.00 | 1.99 | 190.52 | 2,625.63 | -5.39 | 8.98 | 14,524,458.20 | 2,097,475.44 | 39.984158 | -109.368403 |
| 2,717.00 | 2.07 | 188.95 | 2,716.57 | -8.57 | 8.44 | 14,524,455.02 | 2,097,474.96 | 39.984150 | -109.368405 |
| 2,807.00 | 1.56 | 193.38 | 2,806.52 | -11.37 | 7.90 | 14,524,452.21 | 2,097,474.47 | 39.984142 | -109.368407 |
| 2,898.00 | 0.88 | 193.63 | 2,897.50 | -13.25 | 7.45 | 14,524,450.32 | 2,097,474.05 | 39.984137 | -109.368409 |
| 2,989.00 | 0.88 | 239.00 | 2,988.49 | -14.29 | 6.69 | 14,524,449.26 | 2,097,473.31 | 39.984134 | -109.368411 |
| 3,079.00 | 0.81 | 286.00 | 3,078.48 | -14.47 | 5.48 | 14,524,449.06 | 2,097,472.11 | 39.984133 | -109.368416 |
| 3,170.00 | 1.50 | 320.50 | 3,169.47 | -13.38 | 4.11 | 14,524,450.13 | 2,097,470.71 | 39.984136 | -109.368421 |
| 3,261.00 | 2.25 | 334.00 | 3,260.42 | -10.85 | 2.57 | 14,524,452.63 | 2,097,469.13 | 39.984143 | -109.368426 |
| 3,351.00 | 1.50 | 315.00 | 3,350.37 | -8.43 | 0.96 | 14,524,455.02 | 2,097,467.48 | 39.984150 | -109.368432 |
| 3,442.00 | 0.81 | 270.63 | 3,441.35 | -7.58 | -0.52 | 14,524,455.84 | 2,097,465.97 | 39.984152 | -109.368437 |
| 3,533.00 | 0.88 | 244.38 | 3,532.34 | -7.88 | -1.80 | 14,524,455.52 | 2,097,464.71 | 39.984151 | -109.368442 |
| 3,623.00 | 1.25 | 236.00 | 3,622.33 | -8.72 | -3.24 | 14,524,454.65 | 2,097,463.29 | 39.984149 | -109.368447 |
| 3,714.00 | 0.69 | 247.75 | 3,713.31 | -9.49 | -4.57 | 14,524,453.86 | 2,097,461.97 | 39.984147 | -109.368452 |
| 3,805.00 | 1.00 | 292.38 | 3,804.30 | -9.39 | -5.81 | 14,524,453.93 | 2,097,460.73 | 39.984147 | -109.368456 |
| 3,895.00 | 1.44 | 301.50 | 3,894.28 | -8.50 | -7.50 | 14,524,454.79 | 2,097,459.02 | 39.984150 | -109.368462 |
| 3,986.00 | 1.44 | 269.38 | 3,985.26 | -7.92 | -9.62 | 14,524,455.34 | 2,097,456.89 | 39.984151 | -109.368470 |
| 4,076.00 | 1.31 | 274.38 | 4,075.23 | -7.85 | -11.77 | 14,524,455.37 | 2,097,454.73 | 39.984152 | -109.368477 |
| 4,167.00 | 1.00 | 240.88 | 4,166.21 | -8.16 | -13.50 | 14,524,455.03 | 2,097,453.01 | 39.984151 | -109.368483 |
| 4,258.00 | 1.13 | 215.88 | 4,257.20 | -9.27 | -14.72 | 14,524,453.89 | 2,097,451.81 | 39.984148 | -109.368488 |
| 4,349.00 | 0.88 | 219.75 | 4,348.18 | -10.53 | -15.70 | 14,524,452.61 | 2,097,450.86 | 39.984144 | -109.368491 |
| 4,439.00 | 0.50 | 24.13 | 4,438.18 | -10.71 | -15.98 | 14,524,452.43 | 2,097,450.58 | 39.984144 | -109.368492 |
| 4,530.00 | 1.56 | 13.00 | 4,529.16 | -9.14 | -15.54 | 14,524,454.01 | 2,097,450.99 | 39.984148 | -109.368491 |
| 4,621.00 | 1.06 | 17.63 | 4,620.14 | -7.13 | -15.00 | 14,524,456.03 | 2,097,451.49 | 39.984154 | -109.368489 |
| 4,711.00 | 0.94 | 41.25 | 4,710.13 | -5.78 | -14.26 | 14,524,457.39 | 2,097,452.21 | 39.984157 | -109.368486 |
| 4,802.00 | 0.69 | 73.88 | 4,801.12 | -5.07 | -13.24 | 14,524,458.12 | 2,097,453.21 | 39.984159 | -109.368483 |
| 4,892.00 | 0.81 | 83.13 | 4,891.11 | -4.84 | -12.09 | 14,524,458.37 | 2,097,454.36 | 39.984160 | -109.368478 |
| 4,983.00 | 0.81 | 90.38 | 4,982.10 | -4.77 | -10.81 | 14,524,458.47 | 2,097,455.64 | 39.984160 | -109.368474 |
| 5,074.00 | 0.63 | 97.00 | 5,073.09 | -4.83 | -9.67 | 14,524,458.42 | 2,097,456.78 | 39.984160 | -109.368470 |
| 5,164.00 | 0.69 | 135.75 | 5,163.09 | -5.28 | -8.80 | 14,524,457.99 | 2,097,457.66 | 39.984159 | -109.368467 |
| 5,255.00 | 0.88 | 79.13 | 5,254.08 | -5.54 | -7.73 | 14,524,457.75 | 2,097,458.73 | 39.984158 | -109.368463 |
| 5,345.00 | 0.75 | 57.63 | 5,344.07 | -5.10 | -6.56 | 14,524,457.21 | 2,097,459.90 | 39.984159 | -109.368459 |
| 5,436.00 | 1.25 | 28.75 | 5,435.06 | -3.91 | -5.58 | 14,524,459.42 | 2,097,460.86 | 39.984162 | -109.368455 |
| 5,527.00 | 1.19 | 21.38 | 5,526.04 | -2.16 | -4.75 | 14,524,461.19 | 2,097,461.65 | 39.984167 | -109.368452 |
| 5,617.00 | 1.00 | 53.25 | 5,616.02 | -0.82 | -3.78 | 14,524,462.54 | 2,097,462.59 | 39.984171 | -109.368449 |
| 5,708.00 | 0.88 | 91.13 | 5,707.01 | -0.36 | -2.45 | 14,524,463.03 | 2,097,463.92 | 39.984172 | -109.368444 |
| 5,799.00 | 1.00 | 106.25 | 5,798.00 | -0.59 | -0.99 | 14,524,462.82 | 2,097,465.38 | 39.984171 | -109.368439 |
| 5,889.00 | 1.06 | 106.50 | 5,887.98 | -1.05 | 0.56 | 14,524,462.39 | 2,097,466.94 | 39.984170 | -109.368433 |
| 5,980.00 | 0.75 | 122.38 | 5,978.97 | -1.61 | 1.87 | 14,524,461.86 | 2,097,468.26 | 39.984169 | -109.368429 |
| 6,071.00 | 1.06 | 141.13 | 6,069.96 | -2.58 | 2.91 | 14,524,460.90 | 2,097,469.31 | 39.984166 | -109.368425 |
| 6,161.00 | 1.19 | 130.00 | 6,159.94 | -3.83 | 4.14 | 14,524,459.68 | 2,097,470.57 | 39.984163 | -109.368420 |
| 6,252.00 | 1.69 | 125.50 | 6,250.92 | -5.22 | 5.96 | 14,524,458.32 | 2,097,472.41 | 39.984159 | -109.368414 |
| 6,343.00 | 0.75 | 103.38 | 6,341.89 | -6.13 | 7.63 | 14,524,457.44 | 2,097,474.10 | 39.984156 | -109.368408 |
| 6,433.00 | 0.38 | 72.88 | 6,431.89 | -6.18 | 8.49 | 14,524,457.41 | 2,097,474.96 | 39.984156 | -109.368405 |
| 6,524.00 | 0.56 | 95.50 | 6,522.89 | -6.14 | 9.22 | 14,524,457.46 | 2,097,475.69 | 39.984156 | -109.368402 |
| 6,615.00 | 0.81 | 24.50 | 6,613.88 | -5.59 | 9.93 | 14,524,458.02 | 2,097,476.39 | 39.984158 | -109.368400 |
| 6,705.00 | 1.75 | 339.88 | 6,703.86 | -3.72 | 9.72 | 14,524,459.89 | 2,097,476.15 | 39.984163 | -109.368401 |
| 6,796.00 | 2.43 | 334.94 | 6,794.80 | -0.67 | 8.43 | 14,524,462.91 | 2,097,474.80 | 39.984171 | -109.368405 |
| 6,886.00 | 2.06 | 338.13 | 6,884.73 | 2.56 | 7.02 | 14,524,466.12 | 2,097,473.33 | 39.984180 | -109.368410 |
| 6,977.00 | 1.19 | 347.38 | 6,975.69 | 5.00 | 6.20 | 14,524,468.54 | 2,097,472.47 | 39.984187 | -109.368413 |
| 7,068.00 | 0.81 | 346.38 | 7,066.68 | 6.55 | 5.84 | 14,524,470.08 | 2,097,472.08 | 39.984191 | -109.368414 |
| 7,158.00 | 0.06 | 240.38 | 7,156.68 | 7.14 | 5.65 | 14,524,470.67 | 2,097,471.88 | 39.984193 | -109.368415 |
| 7,249.00 | 0.63 | 176.88 | 7,247.67 | 6.62 | 5.64 | 14,524,470.15 | 2,097,471.88 | 39.984191 | -109.368415 |
| 7,340.00 | 0.44 | 154.00 | 7,338.67 | 5.80 | 5.82 | 14,524,469.34 | 2,097,472.07 | 39.984189 | -109.368415 |
| 7,430.00 | 0.81 | 302.00 | 7,428.67 | 5.83 | 5.43 | 14,524,469.36 | 2,097,471.68 | 39.984189 | -109.368416 |

Anadarko Petroleum Corp

Survey Report - Geographic

Company: US ROCKIES REGION PLANNING
Project: UTAH - UTM (feet), NAD27, Zone 12N
Site: UINTAH_BONANZA 1023-6B PAD
Well: BONANZA 1023-6B
Wellbore: BONANZA 1023-6B
Design: BONANZA 1023-6B

Local Co-ordinate Reference: Well BONANZA 1023-6B
TVD Reference: 14' rkb + 5222' gl @ 5236.00ft (ensign 146)
MD Reference: 14' rkb + 5222' gl @ 5236.00ft (ensign 146)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: edmp

Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Map Northing (usft) | Map Easting (usft) | Latitude | Longitude |
|---------------------|-----------------|-------------|---------------------|------------|------------|---------------------|--------------------|-----------|-------------|
| 7,521.00 | 0.63 | 275.63 | 7,519.66 | 6.22 | 4.39 | 14,524,469.73 | 2,097,470.63 | 39.984190 | -109.368420 |
| 7,612.00 | 1.56 | 300.25 | 7,610.64 | 6.89 | 2.82 | 14,524,470.37 | 2,097,469.05 | 39.984192 | -109.368425 |
| 7,702.00 | 1.69 | 297.25 | 7,700.61 | 8.12 | 0.58 | 14,524,471.56 | 2,097,466.79 | 39.984195 | -109.368433 |
| 7,793.00 | 1.44 | 325.38 | 7,791.57 | 9.67 | -1.26 | 14,524,473.08 | 2,097,464.92 | 39.984200 | -109.368440 |
| 7,883.00 | 0.38 | 296.50 | 7,881.56 | 10.74 | -2.17 | 14,524,474.13 | 2,097,463.99 | 39.984203 | -109.368443 |
| 7,974.00 | 0.31 | 143.13 | 7,972.56 | 10.67 | -2.29 | 14,524,474.06 | 2,097,463.87 | 39.984202 | -109.368443 |
| 8,065.00 | 0.56 | 126.13 | 8,063.56 | 10.22 | -1.79 | 14,524,473.61 | 2,097,464.39 | 39.984201 | -109.368442 |
| 8,155.00 | 1.19 | 137.75 | 8,153.55 | 9.26 | -0.80 | 14,524,472.68 | 2,097,465.39 | 39.984199 | -109.368438 |
| 8,246.00 | 1.88 | 146.38 | 8,244.52 | 7.32 | 0.66 | 14,524,470.76 | 2,097,466.88 | 39.984193 | -109.368433 |
| 8,337.00 | 1.50 | 155.38 | 8,335.48 | 5.00 | 1.98 | 14,524,468.46 | 2,097,468.25 | 39.984187 | -109.368428 |
| 8,427.00 | 1.56 | 155.88 | 8,425.44 | 2.81 | 2.97 | 14,524,466.29 | 2,097,469.28 | 39.984181 | -109.368425 |
| 8,518.00 | 1.81 | 150.25 | 8,516.40 | 0.43 | 4.19 | 14,524,463.94 | 2,097,470.54 | 39.984174 | -109.368420 |
| 8,609.00 | 2.31 | 149.38 | 8,607.34 | -2.40 | 5.84 | 14,524,461.14 | 2,097,472.24 | 39.984167 | -109.368414 |
| 8,635.00 | 2.22 | 153.65 | 8,633.32 | -3.30 | 6.33 | 14,524,460.25 | 2,097,472.75 | 39.984164 | -109.368413 |
| 8,685.00 | 2.22 | 153.65 | 8,683.29 | -5.03 | 7.19 | 14,524,458.53 | 2,097,473.64 | 39.984159 | -109.368410 |

Design Annotations

| Measured Depth (ft) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Comment |
|---------------------|---------------------|------------|------------|------------|
| 2,471.00 | 2,470.72 | -0.22 | 10.11 | TIE ON PT |
| 8,635.00 | 8,633.32 | -3.30 | 6.33 | LAST SVY |
| 8,685.00 | 8,683.29 | -5.03 | 7.19 | PROJECTION |

Checked By: _____ Approved By: _____ Date: _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217 Phone Number: (720) 929-6029

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| See Atchmt | See Atchmt | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | 99999 | 18519 | | | | 5/11/2012 | |
| Comments: Please see attachment with list of Wells in the Ponderosa Unit. <u>WSMVD</u> 5/30/2012 | | | | | | | |

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|------------------|-----------------------|-------------------|-----------|-----|-----|----------------------------------|--------|
| | | | | | | | |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| | | | | | | | |
| Comments: | | | | | | | |

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

RECEIVED

MAY 21 2012

Div. of Oil, Gas & Mining

Cara Mahler

Name (Please Print)

Signature

REGULATORY ANALYST

Title

5/21/2012

Date

| well_name | sec | tpw | rng | api | entity | | lease | well | stat | qtr_qtr | bhl | surf | zone | a_stat | l_num | op_no |
|-------------------------------|-----|------|------|------------|--------|--|-------|------|------|---------|-----|------|-------|--------|-----------|-------|
| SOUTHMAN CANYON 31-3 | 31 | 090S | 230E | 4304734726 | 13717 | | 1 | GW | P | SENW | | 1 | WSMVD | P | U-33433 | N2995 |
| SOUTHMAN CANYON 31-4 | 31 | 090S | 230E | 4304734727 | 13742 | | 1 | GW | S | SESW | | 1 | WSMVD | S | UTU-33433 | N2995 |
| SOUTHMAN CYN 31-2X (RIG SKID) | 31 | 090S | 230E | 4304734898 | 13755 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31J | 31 | 090S | 230E | 4304735149 | 13994 | | 1 | GW | P | NWSE | | 1 | MVRD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31B | 31 | 090S | 230E | 4304735150 | 13953 | | 1 | GW | P | NWNE | | 1 | MVRD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31P | 31 | 090S | 230E | 4304735288 | 14037 | | 1 | GW | P | SESE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31H | 31 | 090S | 230E | 4304735336 | 14157 | | 1 | GW | P | SENE | | 1 | WSMVD | P | U-33433 | N2995 |
| SOUTHMAN CYN 923-31O | 31 | 090S | 230E | 4304737205 | 16827 | | 1 | GW | P | SWSE | | 1 | MVRD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31K | 31 | 090S | 230E | 4304737206 | 16503 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31G | 31 | 090S | 230E | 4304737208 | 16313 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31E | 31 | 090S | 230E | 4304737209 | 16521 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31A | 31 | 090S | 230E | 4304737210 | 16472 | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| SOUTHMAN CYN 923-31C | 31 | 090S | 230E | 4304737227 | 16522 | | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-1G | 01 | 100S | 230E | 4304735512 | 14458 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | U-40736 | N2995 |
| BONANZA 1023-1A | 01 | 100S | 230E | 4304735717 | 14526 | | 1 | GW | P | NENE | | 1 | WSMVD | P | U-40736 | N2995 |
| BONANZA 1023-1E | 01 | 100S | 230E | 4304735745 | 14524 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | U-40736 | N2995 |
| BONANZA 1023-1C | 01 | 100S | 230E | 4304735754 | 14684 | | 1 | GW | P | NENW | | 1 | MVRD | P | U-40736 | N2995 |
| BONANZA 1023-1K | 01 | 100S | 230E | 4304735755 | 15403 | | 1 | GW | P | NESW | | 1 | MVRD | P | U-38423 | N2995 |
| BONANZA 1023-1F | 01 | 100S | 230E | 4304737379 | 16872 | | 1 | GW | P | SENW | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1B | 01 | 100S | 230E | 4304737380 | 16733 | | 1 | GW | P | NWNE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1D | 01 | 100S | 230E | 4304737381 | 16873 | | 1 | GW | P | NWNW | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1H | 01 | 100S | 230E | 4304737430 | 16901 | | 1 | GW | P | SENE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1L | 01 | 100S | 230E | 4304738300 | 16735 | | 1 | GW | P | NWSW | | 1 | MVRD | P | UTU-38423 | N2995 |
| BONANZA 1023-1J | 01 | 100S | 230E | 4304738302 | 16871 | | 1 | GW | P | NWSE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-1I | 01 | 100S | 230E | 4304738810 | 16750 | | 1 | GW | P | NESE | | 1 | MVRD | P | UTU-40736 | N2995 |
| BONANZA 1023-2E | 02 | 100S | 230E | 4304735345 | 14085 | | 3 | GW | P | SWNW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2C | 02 | 100S | 230E | 4304735346 | 14084 | | 3 | GW | P | NENW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2A | 02 | 100S | 230E | 4304735347 | 14068 | | 3 | GW | P | NENE | | 3 | MVRD | P | ML-47062 | N2995 |
| BONANZA 1023-2G | 02 | 100S | 230E | 4304735661 | 14291 | | 3 | GW | P | SWNE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2O | 02 | 100S | 230E | 4304735662 | 14289 | | 3 | GW | P | SWSE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2I | 02 | 100S | 230E | 4304735663 | 14290 | | 3 | GW | S | NESE | | 3 | WSMVD | S | ML-47062 | N2995 |
| BONANZA 1023-2MX | 02 | 100S | 230E | 4304736092 | 14730 | | 3 | GW | P | SWSW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2H | 02 | 100S | 230E | 4304737093 | 16004 | | 3 | GW | P | SENE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2D | 02 | 100S | 230E | 4304737094 | 15460 | | 3 | GW | P | NWNW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2B | 02 | 100S | 230E | 4304737095 | 15783 | | 3 | GW | P | NWNE | | 3 | MVRD | P | ML-47062 | N2995 |
| BONANZA 1023-2P | 02 | 100S | 230E | 4304737223 | 15970 | | 3 | GW | P | SESE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2N | 02 | 100S | 230E | 4304737224 | 15887 | | 3 | GW | P | SESW | | 3 | MVRD | P | ML-47062 | N2995 |
| BONANZA 1023-2L | 02 | 100S | 230E | 4304737225 | 15833 | | 3 | GW | P | NWSW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2F | 02 | 100S | 230E | 4304737226 | 15386 | | 3 | GW | P | SENW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2D-4 | 02 | 100S | 230E | 4304738761 | 16033 | | 3 | GW | P | NWNW | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2O-1 | 02 | 100S | 230E | 4304738762 | 16013 | | 3 | GW | P | SWSE | | 3 | WSMVD | P | ML-47062 | N2995 |
| BONANZA 1023-2H3CS | 02 | 100S | 230E | 4304750344 | 17426 | | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2G3BS | 02 | 100S | 230E | 4304750345 | 17428 | | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2G2CS | 02 | 100S | 230E | 4304750346 | 17429 | | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2G1BS | 02 | 100S | 230E | 4304750347 | 17427 | | 3 | GW | P | NWNE | D | 3 | MVRD | P | ML 47062 | N2995 |

| | | | | | | | | | | | | | | | | |
|----------------------------|----|------|------|------------|-------|--|---|----|-----|------|---|---|-------|-----|-----------|-------|
| BONANZA 1023-2M1S | 02 | 100S | 230E | 4304750379 | 17443 | | 3 | GW | P | SENW | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2L2S | 02 | 100S | 230E | 4304750380 | 17444 | | 3 | GW | P | SENW | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2K4S | 02 | 100S | 230E | 4304750381 | 17446 | | 3 | GW | P | SENW | D | 3 | MVRD | P | ML 47062 | N2995 |
| BONANZA 1023-2K1S | 02 | 100S | 230E | 4304750382 | 17445 | | 3 | GW | P | SENW | D | 3 | WSMVD | P | ML 47062 | N2995 |
| BONANZA 4-6 ✱ | 04 | 100S | 230E | 4304734751 | 13841 | | 1 | GW | P | NESW | | 1 | MNCS | P | UTU-33433 | N2995 |
| BONANZA 1023-4A | 04 | 100S | 230E | 4304735360 | 14261 | | 1 | GW | P | NENE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4E | 04 | 100S | 230E | 4304735392 | 14155 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4C | 04 | 100S | 230E | 4304735437 | 14252 | | 1 | GW | P | NENW | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4M | 04 | 100S | 230E | 4304735629 | 14930 | | 1 | GW | P | SWSW | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-4O | 04 | 100S | 230E | 4304735688 | 15111 | | 1 | GW | P | SWSE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4I | 04 | 100S | 230E | 4304735689 | 14446 | | 1 | GW | P | NESE | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-4G | 04 | 100S | 230E | 4304735746 | 14445 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4D | 04 | 100S | 230E | 4304737315 | 16352 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4H | 04 | 100S | 230E | 4304737317 | 16318 | | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4B | 04 | 100S | 230E | 4304737328 | 16351 | | 1 | GW | P | NWNE | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-4L | 04 | 100S | 230E | 4304738211 | 16393 | | 1 | GW | P | NWSW | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-4P | 04 | 100S | 230E | 4304738212 | 16442 | | 1 | GW | P | SESE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4N | 04 | 100S | 230E | 4304738303 | 16395 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-4FX (RIGSKID) | 04 | 100S | 230E | 4304739918 | 16356 | | 1 | GW | P | SENW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5O | 05 | 100S | 230E | 4304735438 | 14297 | | 1 | GW | P | SWSE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-5AX (RIGSKID) | 05 | 100S | 230E | 4304735809 | 14243 | | 1 | GW | P | NENE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-5C | 05 | 100S | 230E | 4304736176 | 14729 | | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5G | 05 | 100S | 230E | 4304736177 | 14700 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5M | 05 | 100S | 230E | 4304736178 | 14699 | | 1 | GW | P | SWSW | | 1 | WSMVD | P | UTU-73450 | N2995 |
| BONANZA 1023-5K | 05 | 100S | 230E | 4304736741 | 15922 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5B | 05 | 100S | 230E | 4304737318 | 16904 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5E | 05 | 100S | 230E | 4304737319 | 16824 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5H | 05 | 100S | 230E | 4304737320 | 16793 | | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5N | 05 | 100S | 230E | 4304737321 | 16732 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-73450 | N2995 |
| BONANZA 1023-5L | 05 | 100S | 230E | 4304737322 | 16825 | | 1 | GW | P | NWSW | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-5J | 05 | 100S | 230E | 4304737428 | 17055 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5P | 05 | 100S | 230E | 4304738213 | 16795 | | 1 | GW | P | SESE | | 1 | MVRD | P | UTU-33433 | N2995 |
| BONANZA 1023-5N-1 | 05 | 100S | 230E | 4304738911 | 17060 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-73450 | N2995 |
| BONANZA 1023-5PS | 05 | 100S | 230E | 4304750169 | 17323 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-5G2AS | 05 | 100S | 230E | 4304750486 | 17459 | | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5G2CS | 05 | 100S | 230E | 4304750487 | 17462 | | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5G3BS | 05 | 100S | 230E | 4304750488 | 17461 | | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5G3CS | 05 | 100S | 230E | 4304750489 | 17460 | | 1 | GW | P | SWNE | D | 1 | MVRD | P | UTU 33433 | N2995 |
| BONANZA 1023-5N4AS | 05 | 100S | 230E | 4304752080 | 18484 | | 1 | GW | DRL | SWSW | D | 1 | WSMVD | DRL | UTU73450 | N2995 |
| BONANZA 1023-8C2DS | 05 | 100S | 230E | 4304752081 | 18507 | | 1 | GW | DRL | SWSW | D | 1 | WSMVD | DRL | UTU37355 | N2995 |
| BONANZA 6-2 | 06 | 100S | 230E | 4304734843 | 13796 | | 1 | GW | TA | NESW | | 1 | WSMVD | TA | UTU-38419 | N2995 |
| BONANZA 1023-6C | 06 | 100S | 230E | 4304735153 | 13951 | | 1 | GW | P | NENW | | 1 | MVRD | P | U-38419 | N2995 |
| BONANZA 1023-6E | 06 | 100S | 230E | 4304735358 | 14170 | | 1 | GW | P | SWNW | | 1 | MVRD | P | U-38419 | N2995 |
| BONANZA 1023-6M | 06 | 100S | 230E | 4304735359 | 14233 | | 1 | GW | P | SWSW | | 1 | WSMVD | P | U-38419 | N2995 |
| BONANZA 1023-6G | 06 | 100S | 230E | 4304735439 | 14221 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6O | 06 | 100S | 230E | 4304735630 | 14425 | | 1 | GW | TA | SWSE | | 1 | WSMVD | TA | U-38419 | N2995 |

✱ not moved in unit

| | | | | | | | | | | | | | | | | |
|----------------------------|----|------|------|------------|-------|--|---|----|----|------|---|---|-------|----|-----------|-------|
| BONANZA 1023-6A | 06 | 100S | 230E | 4304736067 | 14775 | | 1 | GW | P | NENE | | 1 | WSMVD | P | U-33433 | N2995 |
| BONANZA 1023-6N | 06 | 100S | 230E | 4304737211 | 15672 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6L | 06 | 100S | 230E | 4304737212 | 15673 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6J | 06 | 100S | 230E | 4304737213 | 15620 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6F | 06 | 100S | 230E | 4304737214 | 15576 | | 1 | GW | TA | SENW | | 1 | WSMVD | TA | UTU-38419 | N2995 |
| BONANZA 1023-6P | 06 | 100S | 230E | 4304737323 | 16794 | | 1 | GW | P | SESE | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6H | 06 | 100S | 230E | 4304737324 | 16798 | | 1 | GW | S | SENE | | 1 | WSMVD | S | UTU-33433 | N2995 |
| BONANZA 1023-6D | 06 | 100S | 230E | 4304737429 | 17020 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | UTU-38419 | N2995 |
| BONANZA 1023-6B | 06 | 100S | 230E | 4304740398 | 18291 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-33433 | N2995 |
| BONANZA 1023-6M1BS | 06 | 100S | 230E | 4304750452 | 17578 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6N1AS | 06 | 100S | 230E | 4304750453 | 17581 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6N1CS | 06 | 100S | 230E | 4304750454 | 17580 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6N4BS | 06 | 100S | 230E | 4304750455 | 17579 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6I2S | 06 | 100S | 230E | 4304750457 | 17790 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6I4S | 06 | 100S | 230E | 4304750458 | 17792 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6J3S | 06 | 100S | 230E | 4304750459 | 17791 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6P1S | 06 | 100S | 230E | 4304750460 | 17793 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6A2CS | 06 | 100S | 230E | 4304751430 | 18292 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU33433 | N2995 |
| BONANZA 1023-6B4BS | 06 | 100S | 230E | 4304751431 | 18293 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU33433 | N2995 |
| BONANZA 1023-6B4CS | 06 | 100S | 230E | 4304751432 | 18294 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU33433 | N2995 |
| BONANZA 1023-6C4BS | 06 | 100S | 230E | 4304751449 | 18318 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU38419 | N2995 |
| BONANZA 1023-6D1DS | 06 | 100S | 230E | 4304751451 | 18316 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU38419 | N2995 |
| FLAT MESA FEDERAL 2-7 | 07 | 100S | 230E | 4304730545 | 18244 | | 1 | GW | S | NENW | | 1 | WSMVD | S | U-38420 | N2995 |
| BONANZA 1023-7B | 07 | 100S | 230E | 4304735172 | 13943 | | 1 | GW | P | NWNE | | 1 | MVRD | P | U-38420 | N2995 |
| BONANZA 1023-7L | 07 | 100S | 230E | 4304735289 | 14054 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | U-38420 | N2995 |
| BONANZA 1023-7D | 07 | 100S | 230E | 4304735393 | 14171 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | U-38420 | N2995 |
| BONANZA 1023-7P | 07 | 100S | 230E | 4304735510 | 14296 | | 1 | GW | P | SESE | | 1 | WSMVD | P | U-38420 | N2995 |
| BONANZA 1023-7H | 07 | 100S | 230E | 4304736742 | 15921 | | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7NX (RIGSKID) | 07 | 100S | 230E | 4304736932 | 15923 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7M | 07 | 100S | 230E | 4304737215 | 16715 | | 1 | GW | P | SWSW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7K | 07 | 100S | 230E | 4304737216 | 16714 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7E | 07 | 100S | 230E | 4304737217 | 16870 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7G | 07 | 100S | 230E | 4304737326 | 16765 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7A | 07 | 100S | 230E | 4304737327 | 16796 | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7O | 07 | 100S | 230E | 4304738304 | 16713 | | 1 | GW | P | SWSE | | 1 | MVRD | P | UTU-38420 | N2995 |
| BONANZA 1023-7B-3 | 07 | 100S | 230E | 4304738912 | 17016 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-07JT | 07 | 100S | 230E | 4304739390 | 16869 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-38420 | N2995 |
| BONANZA 1023-7J2AS | 07 | 100S | 230E | 4304750474 | 17494 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7J2DS | 07 | 100S | 230E | 4304750475 | 17495 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7L3DS | 07 | 100S | 230E | 4304750476 | 17939 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7M2AS | 07 | 100S | 230E | 4304750477 | 17942 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7N2AS | 07 | 100S | 230E | 4304750478 | 17940 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7N2DS | 07 | 100S | 230E | 4304750479 | 17941 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7O4S | 07 | 100S | 230E | 4304750480 | 17918 | | 1 | GW | P | SESE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 1023-7P2S | 07 | 100S | 230E | 4304750482 | 17919 | | 1 | GW | P | SESE | D | 1 | WSMVD | P | UTU 38420 | N2995 |
| BONANZA 8-2 | 08 | 100S | 230E | 4304734087 | 13851 | | 1 | GW | P | SESE | | 1 | MVRD | P | U-37355 | N2995 |

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|--------------------|----|------|------|------------|-------|--|---|----|---|------|---|---|-------|---|-----------|-------|
| BONANZA 8-3 | 08 | 100S | 230E | 4304734770 | 13843 | | 1 | GW | P | NWNW | | 1 | MVRD | P | U-37355 | N2995 |
| BONANZA 1023-8A | 08 | 100S | 230E | 4304735718 | 14932 | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8L | 08 | 100S | 230E | 4304735719 | 14876 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8N | 08 | 100S | 230E | 4304735720 | 15104 | | 1 | GW | P | SESW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8F | 08 | 100S | 230E | 4304735989 | 14877 | | 1 | GW | S | SENW | | 1 | WSMVD | S | UTU-37355 | N2995 |
| BONANZA 1023-8I | 08 | 100S | 230E | 4304738215 | 16358 | | 1 | GW | P | NESE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8K | 08 | 100S | 230E | 4304738216 | 16354 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8M | 08 | 100S | 230E | 4304738217 | 16564 | | 1 | GW | P | SWSW | | 1 | MVRD | P | UTU-37355 | N2995 |
| BONANZA 1023-8G | 08 | 100S | 230E | 4304738218 | 16903 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8E | 08 | 100S | 230E | 4304738219 | 16397 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8C | 08 | 100S | 230E | 4304738220 | 16355 | | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8B | 08 | 100S | 230E | 4304738221 | 16292 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8H | 08 | 100S | 230E | 4304738222 | 16353 | | 1 | GW | P | SENE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8O | 08 | 100S | 230E | 4304738305 | 16392 | | 1 | GW | P | SWSE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8B-4 | 08 | 100S | 230E | 4304738914 | 17019 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-8A1DS | 08 | 100S | 230E | 4304750481 | 17518 | | 1 | GW | P | NENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8A4BS | 08 | 100S | 230E | 4304750483 | 17519 | | 1 | GW | P | NENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8B1AS | 08 | 100S | 230E | 4304750484 | 17520 | | 1 | GW | P | NENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8B2AS | 08 | 100S | 230E | 4304750485 | 17521 | | 1 | GW | P | NENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O2S | 08 | 100S | 230E | 4304750495 | 17511 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J1S | 08 | 100S | 230E | 4304750496 | 17509 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O3S | 08 | 100S | 230E | 4304750497 | 17512 | | 1 | GW | P | NWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J3 | 08 | 100S | 230E | 4304750498 | 17510 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8C4CS | 08 | 100S | 230E | 4304750499 | 17544 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8D2DS | 08 | 100S | 230E | 4304750500 | 17546 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8D3DS | 08 | 100S | 230E | 4304750501 | 17545 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F3DS | 08 | 100S | 230E | 4304750502 | 17543 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8A4CS | 08 | 100S | 230E | 4304751131 | 18169 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8B3BS | 08 | 100S | 230E | 4304751132 | 18167 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8C1AS | 08 | 100S | 230E | 4304751133 | 18166 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8G3AS | 08 | 100S | 230E | 4304751134 | 18168 | | 1 | GW | P | NWNE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8E2AS | 08 | 100S | 230E | 4304751135 | 18227 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F3BS | 08 | 100S | 230E | 4304751136 | 18227 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F4AS | 08 | 100S | 230E | 4304751137 | 18224 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8F4DS | 08 | 100S | 230E | 4304751138 | 18225 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J2CS | 08 | 100S | 230E | 4304751139 | 18226 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8G4DS | 08 | 100S | 230E | 4304751140 | 18144 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8H2DS | 08 | 100S | 230E | 4304751141 | 18142 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8H3DS | 08 | 100S | 230E | 4304751142 | 18143 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8H4DS | 08 | 100S | 230E | 4304751143 | 18141 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8I4BS | 08 | 100S | 230E | 4304751144 | 18155 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8J4BS | 08 | 100S | 230E | 4304751145 | 18154 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P1AS | 08 | 100S | 230E | 4304751146 | 18156 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P2BS | 08 | 100S | 230E | 4304751147 | 18153 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P4AS | 08 | 100S | 230E | 4304751148 | 18157 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8E2DS | 08 | 100S | 230E | 4304751149 | 18201 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |

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|-----------------------|----|------|------|------------|-------|--|---|----|---|------|---|---|-------|---|-----------|-------|
| BONANZA 1023-8E3DS | 08 | 100S | 230E | 4304751150 | 18200 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8K1CS | 08 | 100S | 230E | 4304751151 | 18199 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8K4CS | 08 | 100S | 230E | 4304751152 | 18198 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8L3DS | 08 | 100S | 230E | 4304751153 | 18197 | | 1 | GW | P | NWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8M2AS | 08 | 100S | 230E | 4304751154 | 18217 | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8M2DS | 08 | 100S | 230E | 4304751155 | 18216 | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8N2BS | 08 | 100S | 230E | 4304751156 | 18218 | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O3CS | 08 | 100S | 230E | 4304751157 | 18254 | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8N3DS | 08 | 100S | 230E | 4304751158 | 18215 | | 1 | GW | P | SWSW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8O4AS | 08 | 100S | 230E | 4304751159 | 18252 | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P2CS | 08 | 100S | 230E | 4304751160 | 18251 | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-8P3CS | 08 | 100S | 230E | 4304751161 | 18253 | | 1 | GW | P | SWSE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| CANYON FEDERAL 2-9 | 09 | 100S | 230E | 4304731504 | 1468 | | 1 | GW | P | NENW | | 1 | MVRD | P | U-37355 | N2995 |
| SOUTHMAN CANYON 9-3-M | 09 | 100S | 230E | 4304732540 | 11767 | | 1 | GW | S | SWSW | | 1 | MVRD | S | UTU-37355 | N2995 |
| SOUTHMAN CANYON 9-4-J | 09 | 100S | 230E | 4304732541 | 11685 | | 1 | GW | S | NWSE | | 1 | MVRD | S | UTU-37355 | N2995 |
| BONANZA 9-6 | 09 | 100S | 230E | 4304734771 | 13852 | | 1 | GW | P | NWNE | | 1 | MVRD | P | U-37355 | N2995 |
| BONANZA 9-5 | 09 | 100S | 230E | 4304734866 | 13892 | | 1 | GW | P | SESW | | 1 | MVRD | P | U-37355 | N2995 |
| BONANZA 1023-9E | 09 | 100S | 230E | 4304735620 | 14931 | | 1 | GW | P | SWNW | | 1 | WSMVD | P | U-37355 | N2995 |
| BONANZA 1023-9I | 09 | 100S | 230E | 4304738223 | 16766 | | 1 | GW | P | NESE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-9D | 09 | 100S | 230E | 4304738306 | 16398 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-9J | 09 | 100S | 230E | 4304738811 | 16989 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-9B3BS | 09 | 100S | 230E | 4304750503 | 17965 | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-9B3CS | 09 | 100S | 230E | 4304750504 | 17968 | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-9H2BS | 09 | 100S | 230E | 4304750505 | 17966 | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-9H2CS | 09 | 100S | 230E | 4304750506 | 17967 | | 1 | GW | P | SENE | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 10-2 | 10 | 100S | 230E | 4304734704 | 13782 | | 1 | GW | P | NWNW | | 1 | MVRD | P | U-72028 | N2995 |
| BONANZA 1023-10L | 10 | 100S | 230E | 4304735660 | 15164 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | U-38261 | N2995 |
| BONANZA 1023-10E | 10 | 100S | 230E | 4304738224 | 16501 | | 1 | GW | P | SWNW | | 1 | MVRD | P | UTU-72028 | N2995 |
| BONANZA 1023-10C | 10 | 100S | 230E | 4304738228 | 16500 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-72028 | N2995 |
| BONANZA 1023-10C-4 | 10 | 100S | 230E | 4304738915 | 17015 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-72028 | N2995 |
| BONANZA 11-2 ★ | 11 | 100S | 230E | 4304734773 | 13768 | | 1 | GW | P | SWNW | | 1 | MVMCS | P | UTU-38425 | N2995 |
| BONANZA 1023-11K | 11 | 100S | 230E | 4304735631 | 15132 | | 1 | GW | P | NESW | | 1 | WSMVD | P | UTU-38425 | N2995 |
| BONANZA 1023-11B | 11 | 100S | 230E | 4304738230 | 16764 | | 1 | GW | P | NWNE | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11F | 11 | 100S | 230E | 4304738232 | 16797 | | 1 | GW | P | SENW | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11D | 11 | 100S | 230E | 4304738233 | 16711 | | 1 | GW | P | NWNW | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11G | 11 | 100S | 230E | 4304738235 | 16826 | | 1 | GW | P | SWNE | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11C | 11 | 100S | 230E | 4304738309 | 16736 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38425 | N2995 |
| BONANZA 1023-11J | 11 | 100S | 230E | 4304738310 | 16839 | | 1 | GW | P | NWSE | | 1 | WSMVD | P | UTU-38424 | N2995 |
| BONANZA 1023-11N | 11 | 100S | 230E | 4304738311 | 16646 | | 1 | GW | P | SESW | | 1 | MVRD | P | UTU-38424 | N2995 |
| BONANZA 1023-11M | 11 | 100S | 230E | 4304738312 | 16687 | | 1 | GW | P | SWSW | | 1 | MVRD | P | UTU-38424 | N2995 |
| BONANZA 1023-11L | 11 | 100S | 230E | 4304738812 | 16987 | | 1 | GW | P | NWSW | | 1 | WSMVD | P | UTU-38424 | N2995 |
| NSO FEDERAL 1-12 | 12 | 100S | 230E | 4304730560 | 1480 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38423 | N2995 |
| WHITE RIVER 1-14 | 14 | 100S | 230E | 4304730481 | 1500 | | 1 | GW | S | NENW | | 1 | MVRD | S | U-38427 | N2995 |
| BONANZA 1023-14D | 14 | 100S | 230E | 4304737030 | 16799 | | 1 | GW | P | NWNW | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA 1023-14C | 14 | 100S | 230E | 4304738299 | 16623 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA FEDERAL 3-15 | 15 | 100S | 230E | 4304731278 | 8406 | | 1 | GW | P | NENW | | 1 | MVRD | P | U-38428 | N2995 |

★ not moved into unit

| | | | | | | | | | | | | | | | | |
|-----------------------------|----|------|------|------------|-------|--|---|----|-----|------|---|---|-------|-----|------------|-------|
| BONANZA 1023-15H | 15 | 100S | 230E | 4304738316 | 16688 | | 1 | GW | P | SENE | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA 1023-15J | 15 | 100S | 230E | 4304738817 | 16988 | | 1 | GW | P | NWSE | | 1 | MVRD | P | UTU-38427 | N2995 |
| BONANZA 1023-15H4CS | 15 | 100S | 230E | 4304750741 | 17492 | | 1 | GW | P | NESE | D | 1 | MVRD | P | UTU 38427 | N2995 |
| BONANZA 1023-15I2AS | 15 | 100S | 230E | 4304750742 | 17493 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38427 | N2995 |
| BONANZA 1023-15I4BS | 15 | 100S | 230E | 4304750743 | 17490 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38427 | N2995 |
| BONANZA 1023-15P1BS | 15 | 100S | 230E | 4304750744 | 17491 | | 1 | GW | P | NESE | D | 1 | WSMVD | P | UTU 38427 | N2995 |
| LOOKOUT POINT STATE 1-16 | 16 | 100S | 230E | 4304730544 | 1495 | | 3 | GW | P | NESE | | 3 | WSMVD | P | ML-22186-A | N2995 |
| BONANZA 1023-16J | 16 | 100S | 230E | 4304737092 | 15987 | | 3 | GW | OPS | NWSE | | 3 | WSMVD | OPS | ML-22186-A | N2995 |
| BONANZA 1023-17B | 17 | 100S | 230E | 4304735747 | 15165 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-17C | 17 | 100S | 230E | 4304738237 | 16585 | | 1 | GW | P | NENW | | 1 | WSMVD | P | UTU-37355 | N2995 |
| BONANZA 1023-17D3S | 17 | 100S | 230E | 4304750511 | 17943 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-17E2S | 17 | 100S | 230E | 4304750512 | 17944 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-17E3AS | 17 | 100S | 230E | 4304750513 | 17945 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-17E3CS | 17 | 100S | 230E | 4304750514 | 17946 | | 1 | GW | P | NENW | D | 1 | WSMVD | P | UTU 37355 | N2995 |
| BONANZA 1023-18G | 18 | 100S | 230E | 4304735621 | 14410 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | U-38241 | N2995 |
| BONANZA 1023-18B | 18 | 100S | 230E | 4304735721 | 14395 | | 1 | GW | P | NWNE | | 1 | WSMVD | P | U-38421 | N2995 |
| BONANZA 1023-18DX (RIGSKID) | 18 | 100S | 230E | 4304736218 | 14668 | | 1 | GW | P | NWNW | | 1 | WSMVD | P | U-38241 | N2995 |
| BONANZA 1023-18A | 18 | 100S | 230E | 4304738243 | 16625 | | 1 | GW | P | NENE | | 1 | WSMVD | P | UTU-38421 | N2995 |
| BONANZA 1023-18F | 18 | 100S | 230E | 4304738244 | 16624 | | 1 | GW | P | SENW | | 1 | WSMVD | P | UTU-38421 | N2995 |
| BONANZA 1023-18E | 18 | 100S | 230E | 4304738245 | 16645 | | 1 | GW | P | SWNW | | 1 | MVRD | P | UTU-38421 | N2995 |
| BONANZA 1023-18C | 18 | 100S | 230E | 4304738246 | 16734 | | 1 | GW | P | NENW | | 1 | MVRD | P | UTU-38421 | N2995 |
| BONANZA 1023-18G-1 | 18 | 100S | 230E | 4304738916 | 17135 | | 1 | GW | P | SWNE | | 1 | WSMVD | P | UTU-38421 | N2995 |
| BONANZA 1023-18D3AS | 18 | 100S | 230E | 4304750448 | 17498 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18D3DS | 18 | 100S | 230E | 4304750449 | 17499 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18E2DS | 18 | 100S | 230E | 4304750450 | 17497 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18E3AS | 18 | 100S | 230E | 4304750451 | 17496 | | 1 | GW | P | SENW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18L2S | 18 | 100S | 230E | 4304750520 | 18111 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18L3S | 18 | 100S | 230E | 4304750521 | 18110 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18K3AS | 18 | 100S | 230E | 4304751061 | 18112 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18K3BS | 18 | 100S | 230E | 4304751063 | 18113 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18M2AS | 18 | 100S | 230E | 4304751064 | 18117 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18M2DS | 18 | 100S | 230E | 4304751065 | 18116 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18N2AS | 18 | 100S | 230E | 4304751066 | 18114 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-18N2DS | 18 | 100S | 230E | 4304751067 | 18115 | | 1 | GW | P | SWNW | D | 1 | WSMVD | P | UTU 38421 | N2995 |
| BONANZA 1023-10F | 10 | 100S | 230E | 4304738225 | 16565 | | | GW | P | SENW | | | MVRD | P | UTU 72028 | N2995 |
| BONANZA 1023-6D1AS | 6 | 100S | 230E | 4304751450 | 18320 | | | GW | P | NENW | D | | WSMVD | P | UTU 38419 | N2995 |
| BONANZA 1023-6C1CS | 6 | 100S | 230E | 4304751448 | 18319 | | | GW | | NENW | D | | | | UTU 38419 | N2995 |
| BONANZA 1023-6D3AS | 6 | 100S | 230E | 4304751452 | 18317 | | | GW | P | NENW | D | | WSMVD | P | UTU 38419 | N2995 |